ANNUAL REPORT

OF THE

PUBLIC WORKS DEPARTMENT

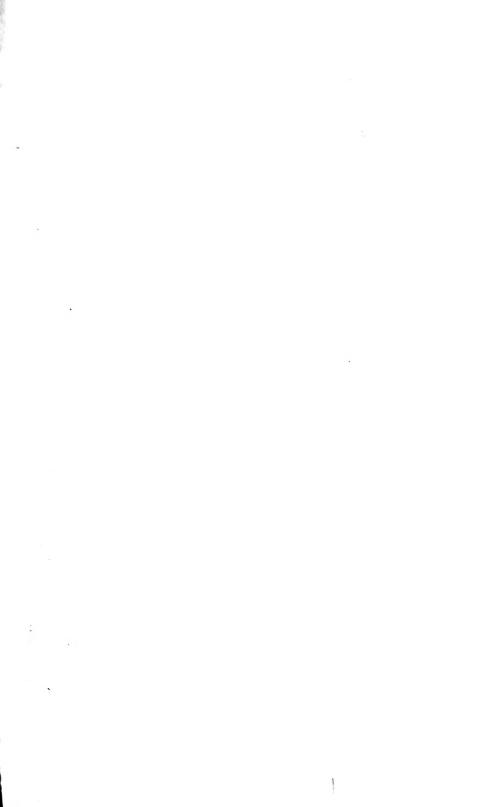


OF THE

CITY OF BOSTON

1921

Public Works Department





ANNUAL REPORT

OF THE

PUBLIC WORKS DEPARTMENT

FOR THE

YEAR 1921



COMPLIMENTS OF

Joseph A. Rourke,

Commissioner of Public Works

PLEASE EXCHANGE



ANNUAL REPORT

OF THE

PUBLIC WORKS DEPARTMENT

FOR THE

YEAR 1921



CITY OF BOSTON
PRINTING DEPARTMENT
1922

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(SEWER SERVICE.)

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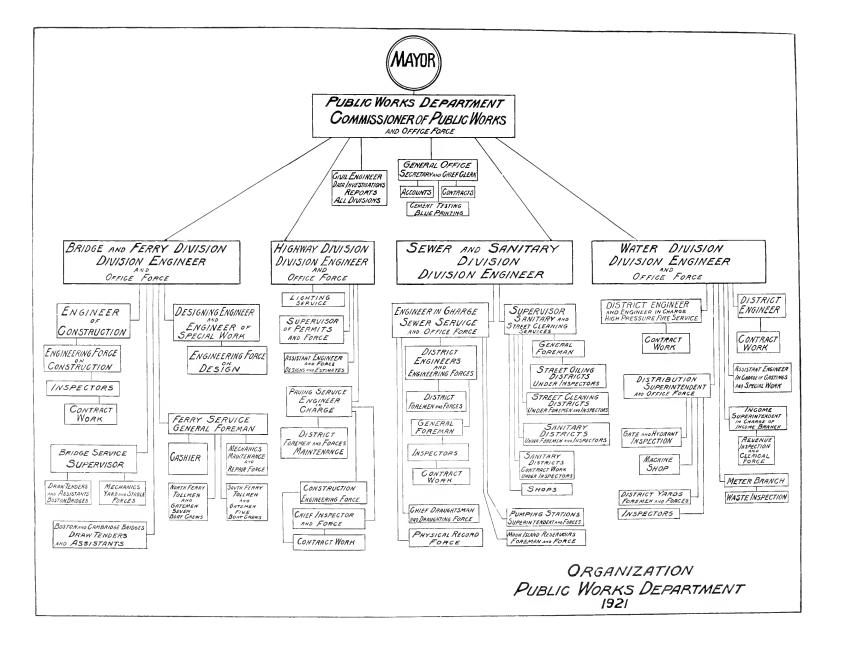
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ANNUAL REPORT

OF THE

PUBLIC WORKS DEPARTMENT

FOR THE

YEAR ENDING JANUARY 31, 1922.

Boston, February 1, 1922.

Hon. Andrew J. Peters,

Mayor of the City of Boston:

SIR,—In compliance with Revised Ordinances the annual report of the operations and expenses of the Public Works Department for the year ending January 31, 1922, is respectfully submitted. The Public Works Department, created by Ordinances 1910, chapter 9, now chapter 28 of the Revised Ordinances of 1914, was formed by consolidating the Engineering, Water and Street Departments.

ORGANIZATION.

The department is composed of five main divisions, viz.:

Central Office.— The Central Office is composed of the accounting force of the entire department under the charge of the secretary and chief clerk.

Bridge and Ferry Division.— This division, under a division engineer, has the charge and care of all bridges used as highways which are in whole, or in part, under

the control of the city; the care and management of the ferries owned by the city, including boats, slips, drops

and buildings.

Note.—The Boston and Cambridge Division, so called, is not strictly speaking a division of the Public Works Department, as this work is in charge of a commission of two, one member appointed by the Mayor of Boston and the other by the Mayor of Cambridge, under the provisions of chapter 412 of the Acts of 1904; but because of the fact that the present Commissioner of Public Works is the Boston member of this commission and also because one half of the expense of this commission is defrayed by the Bridge Service, it is in this report treated as a division of this department.

Highway Division.— This division, under a division engineer, has the care of the construction, reconstruction and maintenance of roadways and sidewalks; the care of lamps and the lighting of streets, parks and alleys.

Sewer and Sanitary Division.— This division, under a division engineer, has charge of the construction of sewers, catch-basins and waterways; the collection of and removal of ashes, garbage, refuse, street cleaning and the oiling and watering of streets.

Water Division.— This division, under a division engineer, has the care of water pipes, installation of meters, water service, laying and relaying of water

mains and the high pressure fire service.

REVIEW.

A brief summary of the principal activities of the Public Works Department during the year ending January 31, 1922, follows:

BRIDGE SERVICE.

A new steel deck girder bridge, encased in concrete, was constructed in Ashland street, West Roxbury, over the New York, New Haven & Hartford Railroad.

A new steel bridge, encased in concrete, was constructed on Clarendon street, over the New York, New Haven & Hartford and Boston & Albany Railroads.

A new bridge of reinforced concrete has been constructed on Hyde Park avenue, over Mother brook, Hyde Park.

A new footbridge has been built in the Public Garden, for the Park Department, under the supervision and direction of this department.

A section of the Dover Street Bridge on the Boston side, which had been destroyed by fire last August, has been entirely reconstructed, the work being done by the day labor force of the Boston Transit Department.

Appropriations have been provided for the construction of a new bascule bridge between Boston and Chelsea in place of the existing temporary pile bridge which was

constructed about nine years ago.

The bridge over the Boston & Albany Railroad at Cambridge street, Allston, will be rebuilt during 1922.

FERRY SERVICE.

Two new steel ferryboats, the "Lieutenant Flaherty" and the "Ralph J. Palumbo," have been built and are now in commission. They have been equipped with special pumps and nozzles for assisting the Fire Department in the event of waterfront fires.

The ferryboat "Noddle Island" had its machinery completely overhauled and repaired and a new super-structure built providing for four lines of roadway traffic.

As a result of the large appropriation you have authorized for the rehabilitation of the Ferry Service, we now have seven boats with a teaming capacity of more than one hundred per cent of that provided heretofore.

Two old ferryboats, the "D. D. Kelly" and "General Hancock," which were unfit for further

service, have been sold.

Designs have been completed, and we are now ready to advertise for proposals for the reconstruction of two ferry entrances providing for two lines of traffic entering and leaving the boats, in place of the existing roadway which permits only a single line of traffic with the consequent delays caused thereby.

Engineering parties from this department have been loaned to the Institutions, Fire, Hospital and Public Buildings Department, and an appreciable saving in the cost of engineering work has been accomplished.

A new wall was constructed along the line of the Roxbury canal where the old bulkhead and walls had collapsed in the rear of the Paving, Sanitary, Sewer and Water yards and the City Hospital, and the canal dredged to allow larger barges to deliver coal to the hospital at a saving of approximately \$1 per ton per year on coal for the Hospital Department.

PAVING SERVICE.

In the Highway Division we have continued your policy of reconstructing the main traffic arteries to the suburban sections of the city, as well as the heavy traffic business streets in the city proper. Among the more important highways are:

Chelsea street, Charlestown, widening.

Chelsea street, from Maverick square to Day square, East Boston.

Dorchester street, from Broadway to Eighth street,

South Boston.

Dorchester avenue, from Fields corner to Peabody square, Dorchester.

Morton street, from Harvard to Canterbury street,

Dorchester.

Washington street, from Roslindale square to West Roxbury parkway, West Roxbury.

Walnut avenue and Sigourney street, from Columbus

avenue to Glen road, Roxbury.

Columbus avenue, from Roxbury Crossing to Seaver street, Roxbury.

Centre street, from Columbus avenue to Green street,

Jamaica Plain.

Green street, from Centre to Call streets, Jamaica Plain.

Centre street, from Allandale street to Spring street, West Roxbury.

Beech street, from Centre street to Poplar street, West

Roxbury.

Portland street, from Hanover to Causeway streets, ity proper.

Merrimac street, from Haymarket square to Portland

street, city proper.

Friend street, from Union to Causeway streets, city proper.

Richmond street, from Hanover street to Atlantic

avenue, city proper.

Market street, Brighton, from Washington street to Western avenue.

Cambridge street, from Charles river to the Boston

& Albany Railroad bridge, Brighton.

Hyde Park avenue from Clarendon Hills to Cleary square, Hyde Park. River street, from the railroad bridge to Fairmount avenue, Hyde Park. Charles street, from Beacon to Cambridge streets, city proper—street widened to 80 feet and permanently paved.

Chestnut Hill avenue, from Beacon street to Commonwealth avenue — widened to 80 feet. In this connection the area between Beacon street and the Brookline line was completed with a reserved area providing a 65-foot roadway around Cleveland circle.

Poplar street, from Roslindale to Hyde Park line.

The widening of North Beacon street, from Market street to the Watertown line, Brighton.

Construction of Stuart street, from Huntington avenue

to Washington street, city proper.

Construction of a new roadway through Franklin Park, from Morton street to the Arborway.

SEWER SERVICE.

Approximately 22,000 linear feet of sewers and surface drains have been constructed, the most important of which are:

Roslindale branch of Stony brook.

Muddy river conduit in Brookline avenue, Roxbury. Rebuilding of the old wooden sewer in Chatham street, city proper.

Extending the Lubec street overflow in East Boston. Necessary sewers for the widening of Chelsea street,

Charlestown.

Construction of sanitary sewer in Parker avenue and North Harvard street, Brighton.

Extension of the Farragut road overflow, South

Boston.

Construction of a sewer for the relief of the City Point section of South Boston, where floodings had occurred for years.

Pumping engine No. 5 at the Calf Pasture pumping station has been completely overhauled at an expense

of approximately \$100,000.

STREET CLEANING SERVICE.

A new Elgin motor-driven pick-up machine has been purchased; and by the use of car sprinklers and motordriven flushers a more sanitary method of cleaning streets has been made possible, particularly in the downtown section and on the main arteries.

SANITARY SERVICE.

The City Council awarded to Coleman Brothers, Inc., the lowest bidder, after public advertisement, a contract for the disposal of ashes, garbage, and refuse for a period of ten years commencing July 1, 1922, at a total cost of \$3,795,000.

WATER DIVISION.

Approximately 50,000 linear feet of water pipe were relaid throughout the city. The mains taken out were small and nearly filled up. Their replacement with larger mains has made a notable improvement in the supply of water for household and fire purposes.

About 2,500 feet of 24-inch pipe, laid in 1885, in Perkins street, West Roxbury, were relaid with 36-inch pipe. This work is the first step in a plan to afford an adequate second high service supply from the Metro-

politan mains.

The 36-inch high service main in Harrison avenue has been completed over the railroad bridge near Broadway, greatly improving the high service supply to the high

value district of the city proper.

Six and one-half miles of old mains were cleaned in East Boston and Brighton, the carrying capacity of which had been greatly reduced by filling up. Their restoration to the original size of the pipe provides a great improvement in the supply, particularly for fire protection.

In cooperation with the United States Government, a much needed improvement has been made in the firefighting facilities at the United States Public Health

Service Hospital in West Roxbury.

Pitometer waste surveys have been completed of the South Boston distribution system, a portion of the South End system, the high service system in the city proper, Roxbury and the greater portion of Dorchester, and a portion of the low service system of the city proper. Work is now in progress on a section of the low service system of Roxbury and the Back Bay. A large number of leaks have been located and stopped, with an appreciable decrease in the cost to the city for consumption.

The work of installing meters, in compliance with the statute, has been carried on. Approximately 3,000

new water meters were installed during the year.

HIGH PRESSURE FIRE SERVICE.

The two pumping stations of the High Pressure Fire Service have been completed and were placed in operation last November. One in the Edison station on Atlantic avenue, opposite Pearl street, is equipped with two electrically-driven, 4-stage centrifugal pumps, each of a capacity of 3,000 gallons per minute, at 300 pounds pressure. The equipment in the Lincoln Power Station of the Boston Elevated Railway Company consists of two steam turbine-driven, 3-stage centrifugal pumps, each of a capacity of 3,000 gallons per minute, at 300 pounds pressure.

During the year over 4,000 linear feet of 12-inch, 16-inch and 20-inch high pressure pipe were laid in extending the system and twenty-one new hydrants

were established.

In submitting the final report of my service as Commissioner of Public Works, I beg leave to express to your Honor my deep appreciation of the constant support and assistance which you have so generously

and whole-heartedly given to me.

Your administration covered the most trying period in the history of the city, when the Federal requirements during the World War necessitated the abandonment of important activities of this department in particular. Nevertheless a radical improvement has been made under your direction in every branch of this department. Practically every official and employee ranking below the division heads has received a generous increase in salary or wages. Unnecessary positions have been abolished without entailing hardship through the discharge of superannuated employees, and invariably promotions have been made on merit with due regard for seniority and with no consideration on account of political preferment. In my opinion the morale of the department has greatly benefited by your courteous and generous treatment of the employees.

I desire also to express my appreciation of the loyal support of the great majority of the supervisory officials and employees who withstood the temptations for greatly increased compensation in other fields. Without their loyalty, the various activities of this depart-

ment would have been seriously hampered.

Respectfully submitted,

THOMAS F. SULLIVAN, Commissioner of Public Works.

Appropriations.

The money assigned for the work of the Public Works Department during the year February 1, 1921, to January 1, 1922, was made available from the following sources:

First.— Maintenance appropriation, derived from the income of the city raised by taxation. In December, 1920, the department estimates of the money necessary for the different services were submitted to the Mayor. The estimates were made in segregated form to the Mayor, who made such allowance for each item in the budget as he considered necessary and submitted them to the City Council. The total maintenance appropriations as passed by the City Council and approved by the Mayor are shown below. On another page will be found the total expenditures by each service for each item in the segregated budget:

Central Office					\$88,634 20
Bridge Service					432,769 22
Ferry Service					501,856 57
Lighting Servi	ce				727,688 20
Paving Service					1,278,474 40
Sanitary Servi	ce				1,507,256 63
Street Cleanin	g and				954,656 80
Sewer Service					607,430 67
Water Service					1,286,239 46
m . 1					
Total .					\$7,385,006 15

^{*} Boston and Cambridge Bridges.

Second.— Loan inside the debt limit for building new streets assessable on abutting property authorized by chapter 393 of the Acts of 1906. (Paving Service.)

Amount expended during the year . . . \$761,550 39

Third.— Loan inside the debt limit under the provisions of chapter 426 of the Acts of 1897, as amended by chapter 204 of the Acts of 1908, from which all sewage works are now built. (Sewerage Works—Sewer Service.)

,		C.		,
Balance February 1, 1921				\$295,615 71
Loan				1,000,000 00
Total			•	\$1,295,615 71
Expended during the year				974,138 27
Balance January 31, 19	922			\$321,477 74

^{*} Paid by Bridge Service and included in that appropriation.

Fourth.—High Pice.)	ressui	e	Fire	Ser	vice.	(V	Vater Serv-
Balance February 1, 1 Loan inside debt limit							\$279,019 38 120,000 00
Expended during the	year						\$399,019 38 322,824 41
Balance January	31, 19:	22					\$76,194 97
Fifth.— Chelsea I	Bridge	S	outh.	()	Bridg	e Se	ervice.)
Balance February 1, 1 Loan inside debt limit							\$14,867 54 * 600,000 00
Expended during the	year						\$614,867 54 3,142 12
Balance January	31, 19	22					\$611,725 42
Sixth.— Dover Service.)	Street	I	Bridg	e. :	rebuil	din	g. (Bridge
Loan inside the debt Expended during the							\$40,000 00 17,317 54
Balance January 31, 1	1922						\$22,682 46
Seventh.— Hyde ice.)	Park .	Αv	enue	Bri	dge.	(E	Bridge Serv-
Loan inside debt limit Expended during the			•				\$20,000 00 5,902 04
							\$14,097 96
Eighth.— North Service.)	Beaco	on	stre	et,	Brig	hto	n. (Paving
Loan inside debt limit Expended during the							\$125,000 00 † 28,221 79
							\$96,778 21
	CIAL A			-			
ASHLAND STREET BRI		EC	ONSTE	RT CT	TON.	(Br	
Balance February 1, 1 Expended during the							\$63,567 49 56,274 15
· Unexpended bala	nce Ja	nu	ary 3	1, 19)22		\$7,293 34

^{*} Authorized but not issued, \$600,000. † Includes payment made by Board of Street Commissioners.

Bridge Repairs,	Ете	c. (Brid	lge Se	ervie	·e.)	
Balance February 1, 1921						\$28,753	79
Appropriation from taxes						90,000	
Revenue				•	•	12,548	70
Total . Expended during the year						\$131,302 101,934	
		•					
Unexpended balance Ja:	nuai	y 31	, 192	22	•	\$29,367	61
Brookline Avenue 1	3rid	GE.	(]	Bridg	e Se	rvice.)	
Balance February 1, 1921	·		;			\$713	91
Transferred from power and Island				it, De	·er	3,946	09
Total						\$4,660	00
Expended during the year						4,660	
* Granite Avenue	Вви	DGE	(B	ridos	Ser	vice)	
						\$2,858	56
Expended during the year						2,809	
Unexpended balance to						\$48	06
Treasury	•	•	•	•	٠	Ф Т О	90
Sea Wall, Etc., Roxbu	JRY	Can	TAL.	(Br	idge	Service.)	
Balance February 1, 1921						\$109,492	
Loan issued			٠	٠	٠	80,000	00
Total						\$189,492	69
Expended during the year				•		95,040	
Unexpended balance Jai	uar	y 31	, 192	21		\$94,452	16
East Boston Ferry, Impr	OVE:	MENT	rs. E	TC.	(Fer	rv Service	.)
Balance February 1, 1921						\$343,399	
Loan issued (authorized in 1 outside the debt limit	920	but	not	issue	d) •	500,000	
Total						\$843,399	$\overline{29}$
Total Expended during the year						582,783	
						\$260,616	13
Ferryboat "Noddle	Let	7 Z.D	٠,	(Ferr	v Se	rvice)	
					. 56		38
Expended during the year		•				00'	
						\$1,569	17

^{*} Maintained jointly by Suffolk County and town of Milton.

Ferryboats, Repa	ARS,	Етс	. (H	erry	Ser	vice.)	
Balance February 1, 1921 Expended during the year			:			\$3,359 68 2,013 2	
						\$1,346 4	3=
Granolithic Side	WAI	.KS.	(Pav	ving	Serv	ice.)	
Appropriation from taxes Expended during the year						\$50,000 00 49,992 82	
Unexpended balance Ja	anua	ry 31	, 192	22		\$0_18	8
RECONSTRUCTING AND RE	EPAII	RING	Str	EETS	ВҮ	Contract	
(Pavin			.)				
Balance February 1, 1921 Appropriation from taxes					:	\$181,749 86 750,000 00	
Total Expended during the year						\$931,749 86 880,464 3-	
Unexpended balance Ja	nua	ry 31	, 192	22		\$51,285 52	2
Street Improve	IENT	rs. (Pavi	ng S	ervio	e.)	•
Appropriation from taxes Transfer from Paving Servi	ee					\$290,000 00 711 40	
Total Expended during the year				•		\$290,711 40 290,711 40	-))
Washington Street, We	EST	Roxi	BURY	. (1	Pavi	ng Service.))
Appropriation from taxes Expended during the year						\$100,000 00 63,877 87)
Unexpended balance Ja	ınua	ry 31	, 192	2		\$36,122 13	3
STUART STREET. (Chapter	312	, Acts	of 1	920 s	and (Chapter 407,	•
Acts of 1921.)	(Pa	aving	Serv	ice.)			
Expended during the year	•					\$1,361 53	3
OLD HARBOR IMPROV	EME.	NT.	$(\hat{\mathbf{S}}$	ewer	Serv	rice.)	
Balance February 1, 1921 Loan issued (authorized in 1	920 1	but no	ot iss	ued)		\$33 83 90,000 00	-
Total Expended during the year						\$90,033 83 58,852 93	
						\$31,180 90)

Expenditures Under the Maintenance Appropriation of From February 1, 1921,

		GROUP AND ITEM.	Central Office.	Bridge.	Ferry.
Α.	Perso	ONAL SERVICE AS PER SCHEDULE A:			
	1.	Permanent employees	\$83,608 62	\$313,513 49	\$277,107 56
	2.	Temporary employees		10,526 48	11,563 20
	3.	Unassigned		3,783 79	5,629 17
В.	SERV	ICE OTHER THAN PERSONAL:			
	1.	Printing and binding	994 70		571 62
	2.	Postage	221 04	117 60	4 00
	3.	Advertising and posting		62 65	104 45
	4.	Transportation of persons	120 05	545 54	90 75
	5.	Cartage and freight		1 07	286 69
	6.	Hire of teams and auto trucks		223 50	3,406 67
	7.	Heat			2,350 40
	.8.	Light and power		9,816 99	4,735 76
	9.	Lighting streets, alleys and parks			
	10.	Rent, taxes and water		36 74	40 70
	11.	Insurance			
	12.	Premium on surety bonds	6 00		85 00
	13.	Communication	9 85	167 11	284 40
	14.	Motor vehicle repairs and care	579 31	2,128 85	
	15.	Motorless vehicle repairs			256 7
	16.	Care of horses	 		
	17.	Care of persons			
	18.	Cleaning	1	13 80	
	19.	Removal of ashes, dirt and garbage			
	20.	Disposal of ashes, dirt and garbage			
	21.	Removal of snow			
	22.	Medical.		44 50	28 10
	23.	Veterinary			
	24.	Blacksmith.			
	25.	Examinations		,	
	26.	Protective and preventive.			
	27.	Testing materials and supplies.			
	28.	Expert and architect			
	29.	Stenographic, copying and indexing			
	30.	Religious	1		
	31.	Extermination of insects			
	32.	Towing.			490 00
	33.	Interpreters			

the Several Services by Items of the Segregated Budget. to January 31, 1922.

Lighting.	Paving.	Sanitary.	Street Cleaning.	Sewer.	Water.	Totals.
\$ 6,123 20	\$ 792,870 99	\$757,728 16	\$595,344 77	\$324,869 52	\$676,342 12	\$ 3,827,508 43
	3,859 50	11,095 00		4,523 61		41,577 79
	15,878 65	9,529 97	28,194 83	8,804 94	15,489 94	87,311 29
		1,246 95		108 70	223 49	3,145 46
30 00	500 52	122 44	177 10	247 92	544 70	1,965 32
	67 10	78 70	28 00	50 60	158 85	549 75
22 70	1,093 61	511 56	104 41	1,929 62	6,079 15	10,497 39
	70 59	11 00	180 34	92 06	144 70	786 45
	36,937 46	124,724 17	114,888 42	950 36	234 50	281,365 08
				207 62		2,558 02
709,782 44	1,435 20	4,451 90	313 40	5,054 03	2,079 39	737,669 11
	3,934 00	1,020 00	1,900 00	931 73	1,399 64	9,262 81
• • • • • • • • • • • • • • • • • • • •						
	9 00	3 00			12 50	115 50
• • • • • • • • • • •	1,695 44		559 25	791 90	1,659 68	5,938 56
228 10	6,201 53		2,580 45	1,102 84	2,600 77	16,987 26
• • • • • • • • • • •	571 28	2,318 81	5,905 95	176 61	17 10	9,246 52
• • • • • • • • • • • • •						
• • • • • • • • • • • • • • • • • • • •						
	152 05					69,720 71
• • • • • • • • • • • • •		335,791 46		45 50		335,836 96
• • • • • • • • • • • • • • • • • • • •	94 50	144,384 05	218 85			144,697 40
	74,756 50	1				74,756 50
••••	423 15	305 00	94 00	40 00	46 00	980 75
	354 00	534 59	264 60	42 00	23 04	1,218 19
• • • • • • • • • • • • • • • • • • • •	1,644 30	36 85	47 94	346 86		3,273 86
• • • • • • • • • • • • • • • • • • • •					1,334 93	1,334 93
		2,000 00		500 00		2,500 00
						87 60
• • • • • • • • • • • • • • • • • • • •						
•••••						
• • • • • • • • • • • • • • • • • • • •				400 00		890 00

Expenditures Under the Maintenance Appropriation of the

		GROUP AND ITEM.	Central Office.	Bridge.	Ferry.	
В.	Serv	ICE OTHER THAN PERSONAL:				
	34.	Jurors				
	35.	Fees, service of venires, etc	\$10 00	\$19 68	· · · · · · · · · · · · · · · · · · ·	
	36.	Boiler inspection		23 00	\$20 00	
	37.	Photographic and blueprinting				
	38.	Burial				
	39.	General plant	117 40	23,099 96	76,287 10	
	40.	Harness, etc., repairs				
	41.	Horseshoeing and elipping			· · · · · · · · · · · · · · · · · · ·	
	42.	Repair of streets			· · · · · · · · · · · · · · · · · · ·	
C.	Equi	PMENT:				
	1.	Apparatus, eable, wire, etc				
	2.	Machinery				
	3.	Electrical				
	4.	Motor vehicles	526 71	3,359 07		
	5.	Motorless vehicles				
	6.	Stable			· · · · · · · · · · · · · • •	
	7.	Furniture and fittings		2 63		
	8.	Educational and recreational				
	9.	Office	- · · · · · · · · · · · · · · · · · · ·	250 00		
	10.	Library				
	11.	Marine			729 77	
	12.	Medical, surgical, laboratory				
	13.	Tools and instruments		850 38	2,339 71	
	14.	Live stock				
	15.	Sanitary				
	16.	Wearing apparel			299 25	
	17.	General plant		232 31	9 00	
	18.					
	19.					
D.	SUPP	LIES:				
	1.	Office	1,600 12	1,674 05	1,407 29	
	2.	Food and ice		115 20	61 44	
	3.	Fuel		5,267 10	84,705 66	
	4.	Forage and animal		 		
	5.	Medical, surgical, laboratory	1			
	6.	Library			1	
	7.	Veterinary				

Several Services by Items of the Segregated Budget .- Continued.

Lighting.	Paving.	Sanitary.	Street Cleaning.	Sewer.	Water.	Totals.
\$ 10 00	\$609 00	\$70.00	\$600 00	\$1 33 4 5	\$274 75	\$1,726 88
	60 00			52 00		155 00
			. 			
			<i>.</i>			
3,601 42	10,179 35	3,379 67	5,271 55	18,722 62	59,456 05	196,115 1:
	293 30			32 35	25	325 90
<i>.</i>	5,929 96	6,757 41	4,873 60	502 05	595 60	18,658 62
	3,193 69			462 51	27,715 59	31,371 79
				17,968 62		17,968 62
					105 25	105 25
495 23	6,553 13	1,733 22	12,079 30	3,155 67	12,354 64	40,256 97
		4,442 60	226 10	155 75		4,824 45
	1,110 50	2,750 55	2,761 14	538 18	33 25	7,193 62
	101 71	68 22	66 81		34 76	274 13
• • • • • • • • • • • • • • • • • • • •	618 50			168 50	1,297 21	2,334 21
• • • • • • • • • • • • •					• • • • • • • • • • • • • • • • • • • •	
						729 77
	· · · · · · · · · · · · · · · · · · ·					• • • • • • • • • • • • • • • • • • • •
	7,545 62	1,987 19	7,673 15	1,671 08	34,374 88	56,442 11
	2,430 00	14,060 00	12,760 00	150 00	· · · · · · · · · · · · · · · · · · ·	29,400 00
			100.17	040.0=		
1.0== 40	6 35	20 58	109 17	649 27	202 22	1,286 84
1,077 42	217 83		545 62	2,219 50	78 15	4,379 83

169 12	8,246 80	1,940 56	2,038 62	2,451 20	8,962 66	28,490 42
	371 52	119 68	9 99	203 70	58 14	939 67
	15,577 22	5,401 95	887 08	98,328 01	4,738 79	214,905 81
	21,846 27	43,668 61	41,207 04	4,455 40	5,608 55	119,785 87
				11 92		11 92
	276 43	238 70	93 86			608 99

Expenditures Under the Maintenance Appropriation of the

	GROUP AND ITEM.		Central Office.	Bridge.	Ferry.	
D.	SUPP	PLIES.— Continued.				
	8.	Laundry, cleaning, toilet	\$1 26	\$72.76	\$557 21	
	9.	Educational and recreational				
	10.	Agricultural				
	11.	Motor vehicle	425 30	1,668 78		
	12.	Military				
	13.	Chemicals and disinfectants		7 20	182 70	
	14.	Marine				
	15.	Tobaceo				
	16.	General plant		1,192 00	3,953 44	
	17.					
	18.					
E.	Mati	ERIALS:				
	1.	Building		209 75	245 15	
	2.	Highway				
	3.	Bridges		34,372 49		
	4.	Ferries			10,623 81	
	5.	Sewer				
	6.	Water				
	7.	Conduits				
	8.	Apparatus				
	9.	Machinery		342 41		
	10.	Electrical		500 90	741 22	
	11.	Marine				
	12.	Parks and recreational				
	13.	General plant		19 88		
	14.					
F.	Speci	IAL ITEMS:				
	1.	Land				
	2.	Damages			· · · · · · · · · · · · · · · · · · ·	
	3.	Sinking funds				
	4.	Serial loans			·	
	5.	Interest			· · · · · · · · · · · · · · · · · · ·	
	6.	Military				
	7.	Pensions and annuities		4,401 25	7,602 26	
	8.	State and military aid, soldiers' relief and burials				

:

Several Services by Items of the Segregated Budget.— Continued.

Lighting.	Paving.	Sanitary.	Street Cleaning.	Sewer.	Water.	Totals.
	\$ 115_08	\$ 130 72	\$ 91 37	\$204 18	\$14 2 92	\$ 1,315 50
\$ 191 92	2,558 57	764 63	3,699 24	1,772 42	9,664 23	20,745 09
	188 65	84 25	39 75	l .	14 75	642 99
	3,948 61	629 67	1,847 25	3,579 39		22,716 60
	1,048 82	388 59				
	200,135 48		38,159 89			238,295 37
						34,372 49
						10,623 81
				6,750 84		6,750 84
					255,617 90	255,617 90
						342 41
	138 48	95 52	1 40	1,375 60	717 91	3,571 03
	14,715 77	21,128 62	10,195 91	1,402 25	4,718 47	52,180 90
					4,459 50	4,459 50
		· · · · · · · · · · · · · · · · · · ·			• • • • • • • • • • • • • • • • • • • •	
360 00	32,337 16	15,772 68	12,023 14	13,526 88	25,655 87	111,679 24
•••••						

Expenditures Under the Maintenance Appropriation of the

		GROUP AND ITEM.	Central Office.	Bridge.	Ferry.
F.	Special Items.— Concluded.				
	10.	Mothers' aid			· · · · · · · · · · · · · · · · · · ·
	11.	Workingmen's compensation		\$728_00	
	12.	Contracts for construction where money is derived from taxes as per Schedule B			
	13.	Industries			
G.	Incu	DENTAL EXPENDITURES TO COVER CONTINGENCIES OTHER THAN PERSONAL SERVICE:			
	1.	Probation officers' expenses			
_		Totals	\$88,308 02	\$420,588 82	\$496,836 35

Several Services by Items of the Segregated Budget.— Concluded.

Lighting.	Paving.	Sanitary.	Street Cleaning.	Sewer.	Water.	Totals.
	\$5,009 98	\$12,640 60	\$4,858 86	\$2,768 00	\$1,297 72	\$30,303 16
					55,079 92	55,079 92
\$ 722,091 55	\$1,287,913 15	\$1,536,633 27	\$916,061 41	\$607,043 15	\$1,232,418 76	\$7,307,894 48

Expenditures Under the Maintenance Appropriation of From February 1, 1921,

	GROUP AND ITEM.	Central.	Bridge.	Ferry.
1.	Commissioner	\$9,000 00		
2.	Division engineers		\$3,750 00	\$1,250 00
3.	Engineers in charge			
4.	Secretary and chief clerk	3,988 92		
5.	Clerks and stenographers	54,661 39	3,506 11	1,123 36
6.	Messengers			
7.	Chief engineer (eivil)			
8.	Assistant engineers (eivil)	3,225 00	14,266 33	
9.	Draughtsmen		7,054 57	
10.	Instrumentmen		4,575 20	
11.	Rodmen		2,577 12	
12.	Inspectors		3,124 18	
13.	Foremen			
14.	Subforemen		5,096 50	
15.	Investigator			
16.	Address printer			
17.	Blueprinters	3,988 92		
18.	Boys	1,055 15		
19.	Chauffeurs	1,404 00	6,669 00	351 00
20.	Cement testers	4,291 04		
21.	Chief inspectors			
22.	Chemist and assistant			
23.	Claim agent	1,994 20		
24.	Cashiers			1,994 20
25.	Constable			
26.	Coalpassers			
27.	Captains	.,		27,791 66
28.	Drawtenders and assistants	217,004 23		
29.	Deckhands			30,809 79
30.	Engineers (steam)			27,225 00
31.	Electricians	1,724 80	1,747 20	
32.	Emergencymen			
33.	Firemen (see oilers)			
34.	Feeders			
35.	Gatemen (ferry)			21,503 96
36.	General foreman			2,792 40
37.	Janitresses			4,980 00

The Several Services by Items of the Segregated Budget. to January 31, 1922.

Lighting.	Paving.	Sanitary.	Street Cleaning.	Sewer.	Water.	Total.
						\$9,000 00
\$1,250 00	\$3,750 00	\$1,666 67	\$1,666 66	\$1,666 67	\$5,000 00	20,000 00
	750 00			1,745 12	3,500 00	5,995 12
						3,988 9 2
3,323 20	21,512 05	2,342 75	1,079 40	4,552 36	68,965 82	161,066 44
					1,196 52	1,196 52
	6,044 65			6,197 27	11,621 49	41,354 74
	544 52			4,443 88	3,562 98	15,605 95
	3,821 28			10,490 48	7,359 65	26,246 61
	2,599 91			2,029 69	1,179 24	8,385 96
	36,438 86	63,394 22	59,894 99	34,625 06	46,867 61	244,344 92
	57,963 76	24,911 52	22,370 88	6,670 32	24,813 88	136,730 36
					1,390 50	6,487 00
					2,084 90	2,084 90
						3,988 92
	538 20					1,593 35
1,550 00	5,616 00	3,834 00	6,671 25	7,020 00	14,173 08	47,288 33
						4,291 04
					1,994 20	1,994 20
	337 49					337 49
						1,994 20
						1,994 20
•••••	1,994 20	1,392 36				3,386 56
				11,619 98		11,619 98
						27,791 66
• • • • • • • • • • • • • • • • • • • •						217,004 23
					· · · · · · · · · · · · · · · · · · ·	30,809 79
	19,567 96			10,874 16	1,560 00	59,227 12
				1,397 20		4,869 20
			• • • • • • • • • • • • • • • • • • • •		17,068 50	17,068 50
						· · · · · · · · · · · · · · · · · · ·
		5,194 50	3,978 00			9,172 50
•••••						21,503 96
•••••					4,587 44	7,379 84
	1	1				4,980 00

Expenditures Under the Maintenance Appropriation of the

	GROUP AND ITEM.	Central.	Bridge.	Ferry.
38.	Joiners			
39.	Laborers, janitors, teamsters, watchmen, stablemen, etc		\$11,582 00	\$18,421 30
40.	Mechanics		27,340 00	23,879 00
41.	Masons	 		
42.	Meter readers			
43.	Medical inspectors		166 69	83 33
44.	Oilers and firemen			73,221 50
45.	Quartermasters			19,370 15
46.	Sealers			·
47.	Sewer gatemen, cleaners and flushers			
48.	Supervisors		5,076-76	
49.	Storekeepers			
50.	Superintendent and deputy		 	
51.	Stockkeepers			
52.	Telephone operator	 		
53.	Tollmen		 	19,167 51
54.	Veterinarian	 	 	
55.	Wharfingers			
56.	Weighers			
57.	Wharfmen			1
58.	Yardmasters			
59.	Yardmen			i
60.	Pavers			
Peri	manent	\$83,608 62	\$313,513 49	
Ten	aporary		10,526 48	11,573 20
Ove	rtime		3,783 79	5,629 17
Oth	er departmental work			
	Totals	\$83,608 62	\$327,823 76	\$294,309 93

Several Services by Items of the Segregated Budget.— Concluded.

Lighting.	Paying.	Sanitary.	Street. Cleaning.	Sewer.	Water.	Totals.
	\$460,563 73	\$597,136 3 3	\$ 49 5 ,888 50	\$105,268 22	\$233,059 75	\$ 1,921,919 83
	157,037 75	45,295 74		15,230 50	157,914 13	426,697 1:
				18,049 40	2,059 20	20,108 6
					36,644 27	36,644 2
	333 32	1,083 33	749 97	83 33	500 00	2,999 9
• • • • • • • • • • •	6,383 84			58,036 00	2,770 00	140,411 3
						19,370 1
					2,808 00	2,808 0
				16,357 64		16,357 6
	2,592 72	1,745 12	1,745 12		1,959 73	13,119 4
					1,595-36	1,595 3
				3,238 81	6,590 24	9,829 0
		1,413 36			1,313 25	4,122 8
					988 00	988 0
						19,167 5
	596 67	887 50	1,300 00	224 99	520 84	3,525 0
		4,438 72				4,438 7
	1,296 36	2,991 04				4,287 4
						ė
					1,743 20	1,743 2
	2,592 72			4,373 44	5,730 35	12,696 5
				765 00	3,120 00	3,885 0
\$6,123 20	\$792,870 99	\$757,728 16	\$595,344 77	\$324,869 52	\$676,342 12	\$3,827,508 4
	3,859 50	11,095 00		4,523 61		41,577 7
	6,188 01	8,673 09	7,258 29	6,857 08	9,713 02	48,102 4
	9,690 64	856 88	20,936 54	1,947 86	5,776 92	39,208 8
\$6,123 20	\$812,609 14	\$778,353 13	\$623,539 60	\$338,198 07	\$691,832 06	\$3,956,397 5

Financial Statement of the Public Works Department, Maintenance, February 1, 1921, to January 31, 1922.

Divisions and Services.	Appropriations. 1921–22.	Transfers to.	Transfers from.	Total Credits.	Expenditures, 1921-22.	Balances, January 31, 1922.
Central Office	\$88,634 20			\$88,634 2	\$88,308 02	\$326 18
Bridge Service	432,769 22		\$3,106 95	429,662 2	420,588 82	9,073 45
Ferry Service	501,856 57	\$3,106 95		504,963 5	496,836 35	8,127 17
Lighting Service	727,688 20		5,596 65	722,091 5	722,091 55	
Paving Service	1,278,474 40	11,420 80	711 40	1,289,183 8	1,287,913 15	1,270 65
Sanitary Service	1,507,256 63	30,791 35		1,538,047 9	1,536,633 27	1,414 71
Street Cleaning and Oiling Service	954,656 80		36,615 50	918,041 3	916,061 41	1,979 89
Sewer Service	607,430 67			607,430 6	607,043 15	387 52
Water Service	1,286,239 46			1,286,239 4	1,232,418 76	53,820 70
Totals	\$7,385,006 15	\$45,319 10	\$46,030 50	\$7,384,294 7	\$7,307,894 48	*\$76,400 27

^{*} Balances transferred to City Treasury.

The expenditures under the several appropriations (for the different services) for the year 1921–22 were as follows:

Divisions and Services.	Current Expenses.	Special Appropria- tions.	Total Expenditures.	Balances, January 31, 1922.
Central Office	\$88,308 0	2	\$88,308 02	
Bridge Service	420,588 8	2 \$287,080 86	707,669 68	* \$179,618 95
Ferry Service	496,836-3	5 683,550 62	1,180,386 97	263,531 73
Lighting Service	722,091 5	5	722,091 55	i i
Paving Service	1,287,913 1	5 2,072,266 85	3,360,180 00	87,407 83
Sanitary Service	1,536,633 2	7	1,536,633 27	
Street Cleaning and Oiling Service	916,061 4	1	916,061 41	
Sewer Service	607,043 1	5 1,032,991 20	1,640,034 35	352,658 34
Water Service	1,232,418 7	6 322,824 41	1,555,243 17	76,194 97
Totals	\$7,307,894 4	\$ \$4,398,713 94	\$11,706,608 42	\$959,411 82

^{* \$600,000} authorized but not issued.

Comparative Table Showing Cost of Maintenance of the Public Works Department Since 1912.

DIVISION AND SERVICE,	1912–13.	1913-14.	1914–15.	1915–16.	1916–17.	1917-18.	1918-19.	1919-20.	1920-21.	1921–22.
Central Office	\$77,515 65	\$80,159 50	\$74,592 01	\$70,618 59	\$74,206 04	\$73,965 70	\$73,074 04	\$79,909 15	\$91,373 98	\$88,308 02
Bridge Service	268,959 44	271,423 04	283,066 41	269,283 23	277,847 65	304,720 63	323,601 28	363,130 05	410,216 53	392,589 05
Boston and Cambridge	17,183 87	17,744 48	18,645 52	17,765 44	18,945 39	21,587 66	23,942 63	26,390 52	26,783 42	77 666,72
Ferry Service	269,016 52	277,727 39	293,671 43	277,048 47	303,917 18	355,480 17	393,783 69	436,687 75	574,754 54	496,836 35
Lighting Service	768,779 08	795,880 53	753,811 73	739,599 62	772,769 97	773,541 76	540,350 56	714,821 55	722,134 24	722,091 55
Paving Service	1,236,686 29	1,361,082 17	1,223,364 69	1,029,374 44	802,150 73	949,803 41	1,006,628 46	1,063,059 16	1,023,332 59	1,110,496 07
G Removal of Snow	106,691 07	64,007 49	165,105 19	131,142 57	303,570 39	203,210 45	138,659 39	78,802 12	663,111 55	215,399 21
Sanitary Service	790,809 01	925,318 56	1,017,452 66	1,017,452 66 1,042,315 00	969,438 86	1,031,156 99	1,031,156 99 1,106,933 20	11,265,581 65	1,508,102 71	\$1,629,078 98
Sewer Service	378,873 18	387,120 67	362,672 07	339,446 62	322,199 03	379,483 30	452,310 71	472,713 49	616,461 55	607,043 15
Street Cleaning Service	454,623 71	492,324 45	472,730 69	489,959 90	428,899 28	516,475 67	556,830 98	607,992 26	700,031 01	610,179 28
Street Watering and Oiling Service*	198,993 93	228,511 50	174,312 00	139,744 97	121,450 68	110,488 14	137,150 39	118,014 00	186,763 20	145,454 29
Water Service	835,072 00	899,338 91	894,170 14	904,135 19	917,823 64	917,823 64 1,045,543 65	1,055,842 87	1,010,634 32	1,010,634 32 1,253,166 33	1,232,418 76
Totals	\$5,403,203 75	\$5,800,638 69	\$5,733,594 54	\$5,450,434 30	\$5,313,218 84	\$5,765,457 53	\$5,809,108 20	5,403,203 75 85,800,638 69 85,733,594 54 85,450,434 30 85,313,218 84 85,765,457 58 85,809,108 20 86,237,742 02 87,776,231 65	87,776,231 65	\$7,307,894 48

*Engineering and Water Departments were consolidated into the Public Works Department, February 1, 1911.
† Includes \$71,000 paid by Street Cleaning and Oiling Service.
† Includes \$92,445.71 paid by Street Cleaning and Oiling Service.

REVENUES.

Collected by City Collector on Account of the Public Works
Department and Credited to General Revenue,
as per City Auditor.

Bridge Service:		
Labor and material Rents, Charlestown Bridge	\$216 20	
Rents, Charlestown Bridge	2,921 75	
Warren Bridge repairs	12,548 70	
		\$15,686 65
Ferry Service:		
Tolls	\$99,674 21	
Rents	022 00	
Commission on telephones .	$100 \ 50$	
Cleaning telephone booths	$48 \ 00$	
Free ferries, July 4	1 00	
Head House privileges, weigh-		
ing and vending machines .	$400 \ 00$	
Head House privileges, coin		
lock on closets	$25 \ 00$	
lock on closets Sale of old materials	116 86	
Labor and materials furnished .	70 00	
Sale of ferryboat "D. D. Kelly".	1,000 00	
Sale of ferryboat "General Han-		
cock"	$2,500\ 00$	
		104,45792
Lighting Service:		
Lighting Boston and Cam-		
bridge bridges	\$2,581 92	
Damages to lamp-posts	144 50	
Dumages to marp pass		2,726 42
Paving Service:		,
Inspectors' services	\$3,933 00	
Labor and materials		
Sidewalk and edgestone assess-		
ments		
Permits	20,000 =0	
Sale of old materials	3,737 54	
Labor and materials (chapter		
28, Revised Ordinances o	f	
1914)	. 1,202 40	
1914)	. 56 00	
Hire of steam roller	. 18 00	
Refund on cement and over		
payment of services		
Coal penalty		
com penale		66,072 71
Carried forward		\$188,943 70

$Brought\ forward$						\$188,943	70
Sanitary Service:						,	
Tickets for the rem	ova	lof					
waste				\$97,054	10		
Sale of manure .				3,390	70		
Sale of manure . Sale of old material				139			
Labor and materials				74	50		
Forfeiture on bid				500			
Refund	•			32			
	·	•	·			101,191	29
Street Cleaning and Oi	lino	Ser	vice.			101,101	
Removing dirt .	31111	, LICI	vice.	\$1,335	25		
				1,000	00		
Ponts				900	00		
Rents Coal penalty .		•		900	56		
Coar penarty .	•	•	•		90	2 225	01
						$3,\!235$	81
Sewer Service:							
Disposal of sewage				\$5,869	36		
Entrance fees .				2,101	18		
Labor and materials				1,799	05		
Sale of materials				418			
Assessments .				113			
Refund				2			
Refund Sale of hay				21	00	*	
				10	00		
						10,324	20
Water Service:						10,324	20
Water Service:	\$ 62.					10,324	20
Water Service: Water rates, 1922, Water rates, prior		,430	35			10,324	20
Water Service: Water rates, 1922, Water rates, prior	3.15	,430 1.48	35 80			10,324	20
Water Service: Water rates, 1922, Water rates, prior	3.15	,430 1.48	35 80	33,407,579	24	10,324	20
Water Service: Water rates, 1922, Water rates, prior	3.15	,430 1.48	35 80	3,407,579 19,734	24 81	10,324	20
Water Service: Water rates, 1922, Water rates, prior	3.15	,430 1.48	35 80	3,407,579 $19,734$ $3,686$	24 81 04	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes Labor and materials Elevator and fire pir	345,	.430	35 89	3,407,579 19,734 3,686 18,044	24 81 04 84	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes Labor and materials Elevator and fire pir	345,	.430	35 89	3,407,579 19,734 3,686 18,044 3,023	24 81 04 84 89	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes Labor and materials Elevator and fire pir	345,	.430	35 89	3,407,579 19,734 3,686 18,044 3,023 4,646	24 81 04 84 89 53	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes . Labor and materials Elevator and fire pip Sale of materials Fees on overdue rate Off and on	345, es		35 <u>89</u>	4,646	53	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes . Labor and materials Elevator and fire pip Sale of materials Fees on overdue rate Off and on	345, es		35 <u>89</u>	$\frac{4,646}{1,700}$	$\frac{53}{00}$	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes . Labor and materials Elevator and fire pip Sale of materials Fees on overdue rate Off and on Interest on deposits	345, 		35 89 	$ \begin{array}{r} 4,646 \\ 1,700 \\ 649 \end{array} $	53 00 90	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes . Labor and materials Elevator and fire pip Sale of materials Fees on overdue rate Off and on Interest on deposits Sale of merchandise	345, 		35 89 	4,646 1,700 649 195	53 00 90 72	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes . Labor and materials Elevator and fire pip Sale of materials Fees on overdue rate Off and on Interest on deposits Sale of merchandise Testing meters .	345, 		35	$ \begin{array}{r} 4,646 \\ 1,700 \\ 649 \\ 195 \\ 79 \end{array} $	53 00 90 72 76	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes . Labor and materials Elevator and fire pip Sale of materials Fees on overdue rate Off and on Interest on deposits Sale of merchandise Testing meters . Standpipes and hydrometers	345, 	,430 .148 s	35	4,646 1,700 649 195 79 2,259	53 00 90 72 76 80	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes . Labor and materials Elevator and fire pip Sale of materials Fees on overdue rate Off and on . Interest on deposits Sale of merchandise Testing meters . Standpipes and hyde Relocating pipes	345, 		35	4,646 1,700 649 195 79 2,259 934	53 00 90 72 76 80 64	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes . Labor and materials Elevator and fire pip Sale of materials Fees on overdue rate Off and on . Interest on deposits Sale of merchandise Testing meters . Standpipes and hydr Relocating pipes Board of horses .	345, 	148 	35 89 	4,646 1,700 649 195 79 2,259 934 180	53 00 90 72 76 80 64 00	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes . Labor and materials Elevator and fire pip Sale of materials Fees on overdue rate Off and on . Interest on deposits Sale of merchandise Testing meters . Standpipes and hydr Relocating pipes Board of horses .	345, 	148 	35 89 	4,646 1,700 649 195 79 2,259 934 180 100	53 00 90 72 76 80 64 00	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes . Labor and materials Elevator and fire pip Sale of materials Fees on overdue rate Off and on . Interest on deposits Sale of merchandise Testing meters . Standpipes and hydr Relocating pipes Board of horses .	345, 	148 	35 89 	4,646 1,700 649 195 79 2,259 934 180 100	53 00 90 72 76 80 64 00 00	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes . Labor and materials Elevator and fire pip Sale of materials Fees on overdue rate Off and on . Interest on deposits Sale of merchandise Testing meters . Standpipes and hydr Relocating pipes Board of horses .	345, 	148 	35 89 	4,646 1,700 649 195 79 2,259 934 180 100 2 523	53 00 90 72 76 80 64 00 00 76	10,324	20
Water Service: Water rates, 1922, Water rates, prior years	345, 		35	4,646 1,700 649 195 79 2,259 934 180 100 2 523 294	53 00 90 72 76 80 64 00 00 76 41	10,324	20
Water Service: Water rates, 1922, Water rates, prior years 3, Service pipes . Labor and materials Elevator and fire pip Sale of materials Fees on overdue rate Off and on . Interest on deposits Sale of merchandise Testing meters . Standpipes and hydr Relocating pipes Board of horses .	345, 		35	4,646 1,700 649 195 79 2,259 934 180 100 2 523	53 00 90 72 76 80 64 00 00 76 41	10,324	20
Water Service: Water rates, 1922, Water rates, prior years	345, 		35	4,646 1,700 649 195 79 2,259 934 180 100 2 523 294 29	53 00 90 72 76 80 64 00 00 76 41 73	\$303,695	

Brought forward	\$3,463,665 1,146 74	66	\$303,695	00
Sale of gasolene	173	01		
Amount voted by City Council				
January 24, 1920, to pay re-				
funds of balances of deposits having been tied up by the				
closing of the Old South				
Trust Company	8,000	00		
			3,473,058	93
			\$3,776,753	93

Contracts Made by Public Works Department from February 1, 1921, to January 31, 1922. Hired Team Contracts from February 1, 1921, to January 31, 1922.

	in carrown contracts from 1 columny 1, 1721, to Santany 31, 1722.	cornary	1, 172	1, 10 3a	ilualy 31,	1344.			
Біяткіст.	Awarded to	Single Double Trucks per Per Per Per Day.	Double per Day.	Auto Trucks per Day.	Paving Service	Sanitary Service.	Sewer Service.	Sewer Cleaning Service. and Oiling Service.	Total.
No. 1, South Boston and Dorchester North Joseph P. McCabe	Joseph P. McCabe	\$5 00	\$7 00	\$35 00		\$6,468 00			\$6,468 00
¹ No. 2, East Boston and Breed's Island	Martino DeMatteo	5 00	8 00	35 00	1,968 00		\$738 95		2,706 95
¹ No. 3, Charlestown	Edw. J. McHugh and Son	5 75	6 50	20 00	1,387 50		:		1,387 50
¹ No. 4, Brighton	John Kelly Company	4 25	7 45	25 00	5,906 86				5,906 86
¹ No. 5, Roxbury	Martino DeMatteo	3 00	02 9	28 00		12,417 79 \$4,272 45			16,690 24
¹ Nos. 6-9 Dorehester and Ashmont John D. Lyons	John D. Lyons	3 50	2 00	22 00	14,561 50		:		14,561 50
¹ No. 7, Roxbury South and Jamaica Plain	John J. Moore	00 †	00 9	35 00	5,958 00	43,726 50			549,684 50
¹ No. 8, South End and Roxbury North	Michael H. Loonie	4 50	08 9	35 00	6,252 52	20,771 79			27,024 51
¹ No. 10, North and West Ends and Back Bay., B. E. Grant Company	B. E. Grant Company	5 75	00 9	37 50		4,538 00 41,118 95	:		45,656 95
¹ No. 11, Hyde Park	Martino DeMatteo	5 00	7 75	30 00	910 63				910 63

¹ Advertised and awarded to lowest bidder.

Bridge and Ferry Division — Bridge Service.

Bridge Work.

rect Bridge over New York, Railroad, Hyde Park, a Bridge North		\$1,966 00 4,900 00 4,104 00 3,067 20	\$1,983 95 4,900 00 3,949 36 3,047 20 3,924 26
1 Repairing pile span, Chelsea Bridge over Boston. V. Grande	June 13, 1921. Completed July 8, 1921 June 15, 1921. Completed July 29, 1921	4,104 00 3,067 20	4,900 00 3,949 36 3,047 20 3,924 26
¹ Repairing pile spun, Chelsea Bridge North		4,104 00	3,949 36 3,047 20 3,924 26
1 Repairing Bennington Street Bridge over Boston. John B. Dolan. July 8, 1921. Comp Kreere Beach & Lynn Railroad, East Boston. 1 Repairing Dorchester Avenue Bridge. J. P. Cavanagh Company. June 30, 1921. Comp Bridge Over Mother John McCourt Company. July 25, 1921. Comp Bridge Over Mother John McCourt Company. July 25, 1921. Comp Bridge Over Company. Comp Bridge Over Chelsea Creek. W. H. Ellis and Son Company. July 28, 1921. Comp Bridge Over Chelsea Bridge South. The Strauss Bascule Company. July 28, 1921. Comp Bridge Over Chelsea Bridge. Not e Repairing Company. Sept. 6, 1921. Comp Bridge Over Mother Dover Street Bridge. 1 Installing navigation lights, Dover Street Bridge. Barnes Pope Electric Company. Sept. 20, 1921. Comp Bridge. 1 Rebairing cover Mother brook, Hyde Park Avenue Bridge. General Construction Company. Sept. 20, 1921. Comp Bridge. 1 Repairing fender piers, Dover Street Bridge. W. H. Ellis and Son Company. Oct. 28, 1921. Comp		3,067 20	3,047 20
 1 Repairing Dorchester Avenue Bridge			3,924 26
 Repairing West Glenwood Avenue Bridge over Mother John McCourt Company July 25, 1921. Company L'Cleaning and painting draw span of Meridian Street W. H. Ellis and Son Company. Furnishing plans, etc., Chelsea Bridge South The Strauss Baseule Company, July 28, 1921. Repairing concrete draw pier, Dover Street Bridge Barnes Pope Electric Company. Sept. 6, 1921. Company Linstalling navigation lights, Dover Street Bridge Barnes Pope Electric Company. Rebuilding over Mother brook, Hyde Park Avenue General Construction Company, Sept. 19, 1921. Unfin Bridge, Hyde Park. W. H. Ellis and Son Company. Oour Repairing fender piers, Dover Street Bridge 	June 30, 1921. Completed Sept. 3, 1921	3,832 50	90000
Ucheming and painting draw span of Meridian Street W. H. Ellis and Son Company. Aug. 2, 1921. Comparing cover Chelsea Creek. Permishing plans, etc., Chelsea Bridge South	July 25, 1921. Completed Aug. 20, 1921	2,221 00	5,050 95
Permishing plans, etc., Chelsea Bridge South The Strauss Bascule Company, July 28, 1921. Not e Repairing concrete draw pier, Dover Street Bridge Mauriee M. Devine Sept. 6, 1921. Computabiling navigation lights, Dover Street Bridge Barnes Pope Electric Company. Sept. 19, 1921. Computabiling over Mother brook, Hyde Park Avenue General Construction Company, Sept. 20, 1921. Unfin Bridge, Hyde Park. W. H. Ellis and Son Company. Oct. 28, 1921. Computabiling fender piers, Dover Street Bridge	Aug. 2, 1921. Completed Sept. 30, 1921	2,450 00	2,450 00
 1 Repairing concrete draw pier, Dover Street Bridge 1 Installing navigation lights, Dover Street Bridge 2 Barnes Pope Electric Company. 3 Rebuilding over Mother brook, Hyde Park Avenue General Construction Company. 3 Repuilding over Street Bridge 4 W. H. Ellis and Son Company. 6 Company. 7 Company. 	July 28, 1921. Not completed	12,000 00	
¹ Installing navigation lights, Dover Street Bridge Barnes Pope Electric Company. Sept. 19, 1921. Conquarylebuilding over Mother brook, Hyde Park Avenue General Construction Company, Sept. 20, 1921. Unfun Bridge, Hyde Park. ¹ Repairing fender piers, Dover Street Bridge W. H. Ellis and Son Company. Oct. 28, 1921. Company.	Sept. 6, 1921. Completed Nov. 19, 1921	2,078 00	1,766 30
¹ Repairing fender piers, Dover Street Bridge W. H. Ellis and Son Company. Sept. 20, 1921. Unfin	Sept. 19, 1921. Completed Dec. 12, 1921	291 00	672 35
W. H. Ellis and Son Company. Oct. 28, 1921.	Sept. 20, 1921. Unfinished	11,250 00	4,611 25
	Oct. 28, 1921. Completed Dec. 12, 1921	2,384 00	2,347 11
¹ Repairing fender piers, Charlestown and Warren W.S. Rendle and Son Company, Dec. 6, 1921. Unfin Bridges.	Dec.	16,507 00	2,104 52
Repairs to roof of drawtenders' houses	Nov. 23, 1921. Completed Jan. 9, 1922	1,875 00	1,520 65

¹ Advertised and awarded to lowest bidder.
² Not advertised.

Miscellaneous Work.

Amount Expended in 1921.	83,290 00 82,422 50	6,000 00 5,289 93	2,000 00 1,549 00	42,750 00 13,492 75
Estimated Expended Expended in 1921.	\$3,240 00	6,000 00	2,000 00	42,750 00
Progress of Work.	Completed June 28, 1921	June 15, 1921. Completed Jan. 20, 1922	June 22, 1921. Completed July 8, 1921	Unfinished
Dated.	June 13, 1921.	June 15, 1921.	June 22, 1921.	Nov. 8, 1921. Unfinished
Awarded to	J. P. Cavanagh Company		W. S. Rendle	D. M. Biggs & Company
Contract.	Planking Sprague Street Station, over New York, New J. P. Cavanagh Company June 13, 1921. Completed June 28, 1921 Hyde Park.	Purnishing and installing a steel stiffleg derrick with operating engine at the sewer wall of the Roxbury Canal, City Paving Yard, Albany street, City	Planking sides of Roxbury Canal dumping platform, W. S. Rendle, etc., Albany street, City.	Surfacing beach, foot of M and N streets, Strandway, D. M. Biggs & Company

1 Advertised and awarded to lowest bidder.

Bridge and Ferry Division — Ferry Service.

Ferry Work.

Сомтваст,	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1921.
Teaming coal to ferryboats E. J. McHugh & Son Feb. 8, 1921. Completed Jan. 31, 1922	E. J. McHugh & Son	Feb. 8, 1921.	Completed Jan. 31, 1922	\$4,400 00	\$4,400 00 \$4,341 98
¹ Repairing main shaft, etc, ferryboat "Hugh O'Brien," Bertelson & Peterson Engineer- Feb. 8, 1921. Completed April 11, 1921	Bertelson & Peterson Engineering Company.	Feb. 8, 1921.	Completed April 11, 1921	2,400 00	2,105 00
2,3 Weighing and vending machines at ferry houses Autosales Corporation Feb. 16, 1921. Completed Jan. 31, 192	Autosales Corporation	Feb. 16, 1921.	Completed Jan. 31, 192	400 00	400 00
¹ Repairs on 8 bronze propeller blades on serew ferry- Atlantic Works April 14, 1921. Completed May 6, 1921	Atlantic Works	April 14, 1921.	Completed May 6, 1921	1,014 00	1,014 00
1 Repairing piers of East Boston ferries	W. II. Ellis & Son Company	May 31, 1921.	Completed Sept. 26, 1921	8,882 50	8,882 50 15,809 90
¹ Repairing main engines, etc., on ferryboat "John H. Atlantic Works June 6, 1921. Completed July 5, 1921	Atlantic Works	June 6, 1921.	Completed July 5, 1921	3,974 00	5,947 60
Barriers and gates, ferryboat "Hugh O'Brien"	R. Minton Company	July 1, 1921.	July 1, 1921. Completed Oct. 24, 1921	2,000 00	2,000 00
Repairs to hull, etc., ferryboat "John H. Sullivan"	Atlantic Works	June 30, 1921.	June 30, 1921. Completed July5, 1921	32 97	3,179 00
Propeller for ferryboat "John H. Sullivan"	Atlantie Works	July 26, 1921.	July 26, 1921. Completed Sept. 15, 1921	815 00	815 00
¹ Repairing guards, etc., ferryboat "Hugh O'Brien"	R. T. Green Company	Nov. 18, 1921.	Nov. 18, 1921. Completed Dec. 13, 1921	1,489 00	1,631 60
¹ Repairing piers, Boston landing of North Ferry Lawlor Brothers Dec. 5, 1921. Unfinished	Lawlor Brothers	Dec. 5, 1921.	Unfinished	3,463 40	3,463 40 Nothing.
¹ Advertised and awarded to lowest bidder.	r, 2 Paid to eity.	3 Ad	3 Advertised and awarded to highest bidder	t bidder.	

HIGHWAY DIVISION — LIGHTING SERVICE.

Contracts in Force Made in Previous Years.

Contract.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1919.
1, 2, 1, 4 Furnishing gas for street lighting purposes for a period of ten years from April 1, 1914. a period of ten years from April 1, 1914. until March 31, 1924, inclusive.	Boston Consolidated Gas Company	. March 19, 1914.	Unfinished		\$195,805.09
1, 2, 3, 4, 5, Lighting the streets, parks and alleys (except streets in Consolidated Gas Company March 19, 1914. Unfinished streets in Charlestown and Hyde Park) with gas for a period of ten years, from April 1, 1914, until March 31, 1924, inclusive.	Boston Consolidated Gas Company	March 19, 1914.	Unfinished		
1, 5, Lighting the streets, parks and alleys with electricity (avergate streets in Charlestown and including Charlestown if said company shall purchase the electric distribution system located therein) for a period of ten years, from December 6, 1924, inclusive.	The Edison Electric Illuminating Co		7, 1914. Unfinished		*472,921 31
Agreement made July 21, 1914, that prices for gas lamps outside of contract be as follows: Annual rates paid for gas lamps. Single burner: For gas		Triple burner lam	Triple burner lamps, per annum, \$45, fire alarm signal lamps, \$21. Double burner: For gas	aların signe 18 15 15	J lamps, \$21.

Contracts may be terminated on April 1, 1919, if Gity Council votes and Mayor approves.

If rate to regular consumers is reduced to a price loss than 80 cents per M., a rebate will be made to the city at the rate of 12 cents per lamp per year for each 1 cent the price is so reduced below 80 cents per M.

* Lighting rates for the electric lamps are as shown on next page.

Description of Lamp.	Fixed Costs per Lamp per Year.	Fixed Costs Running Per Lamp Costs per Pear.	Description of Lamp.	Fixed Costs per Lamp per Year.	Fixed Costs Running per Lamp Costs per per Year.
40 candle power Inc. lamp, series	\$10 80	0.18 cent	0.18 cent 100 candle power Inc. lamp, multiple	\$18 00	0.50 cent
40 candle power Inc. lamp, multiple	12 00	0.25 cent	0.25 cent 200 candle power Inc. lamp, series	25 00	1.00 cent
60 candle power Inc. lamp, series	12 00	0.20 cent	500 candle power Inc. lamp, multiple	36 00	1.50 cents
60 candle power Inc. lamp, multiple	12 00	0.20 cent	425 watt A. C. are lamp, multiple	36 00	1.60 cents
100 candle power Inc. lamp, series	18 00	18 00 0.40 cent	800 candle power magnetite 500 watt D. C. are lamp series.	36 00	1.37 cent

A discount of 10 per cent is allowed from above rates.

A deduction at the rate of 1 cent per hour for lamps of 100 candle power or less and 5 cents per hour for all other lamps is allowed for all outages.

The above are new prices which became effective on February 26, 1918, by decision of the Gas and Electric Light Commissioners.

Rebates for the preceding years, to the amount of \$147,746.25, were deducted from bills paid in 1918 to the Edison Electric Illuminating Company.

For further detail, see report of Lighting Service for

HIGHWAY DIVISION.— PAVING SERVICE. Artificial Stone Sidewalks, Furnishing and Laying.

Contract.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1921.
Orchard street, from Centre street to Pond street, West Andrews Construction Com- June 22, 1921. Completed Aug. 9, 1921	Andrews Construction Company.	June 22, 1921.	Completed Aug. 9, 192		\$4,797 00 \$5,111 03
Moore street, from Bennington street to Cowper street; Holbrook Construction Com- Cowper street, from Moore street 300 feet easterly, pany. East Boston.	Holbrook Construction Company.	June 24, 1921.	Completed July 28, 19	3,448 55	55 3,468 73
Fairbanks street, from Washington street to Faneuil John McCourt Company June 24, 1921. Completed July 15, 1921	John McCourt Company	June 24, 1921.	Completed July 15, 19	21 2,860 80	80 2,617 44
Blue Hill avenue, west side, from 217 feet south of Goodale road to Wellington Hill street; Euclid street, from Washington street to Withington Street, from Weld Hill street to Withington Walk Hill street, from Weld Fig. 1921.	Metzger & Tratton	July 1, 1921.	Completed Oct. 29, 19	7,568 00	8,255 27
Bencon street (south side) at Brookline avenue (Hotel L. DeSisto & Co	I. DeSisto & Co	Sept. 19, 1921.	Completed Oct. 13, 19	21 1,422 00	00 1,544 37
South street, from Archdale road to Washington street, Charles Struzziery	Charles Struzziery	Sept. 22, 1921.	Sept. 22, 1921. Completed Nov. 26, 1921	21 4,555 40	40 4,918 93

1 Advertised and awarded to lowest bidder.

Artificial Stone Sidewalks, Rebate.*

Contractor.	Dated.	Contract Completed.	Price per Square Foot.	Amount Expended in Rebate in 1921.
John Landis	April 5, 1921	January 31, 1922	\$0.12	\$3,021 84
Michael D. Russo.	Mareh 23, 1921	January 31, 1922	12	63 12
Charles Struzziery.	April 11, 1921	January 31, 1922	12	Nothing.
B. F. Hanrahan	April 28, 1921	January 31, 1922	12	582 24
Domenick Vozzella	April 28, 1921	January 31, 1922	12	Nothing.
Sylvester Connolly	April 28, 1921	January 31, 1922	12	155 28
George M. Crowell	May 5, 1921	January 31, 1922	113	188 88
Joseph Lambiase	May 11, 1921	January 31, 1922	12	214 32
Thomas J. Hind Company	May 11, 1921	January 31, 1922	12	23 76
W. A. Murtfeldt Company	May 23, 1921	January 31, 1922	12	58 92
F. S. Cassalli	May 23, 1921	January 31, 1922	12	150 60
Joseph Rugo	May 23, 1921	January 31, 1922	12	347 16
D. M. Biggs & Co.	June 3, 1921	January 31, 1922	12	59 76
John T. Shea, Jr	June 6, 1921	January 31, 1922	12	219 36
John C. Cole	June 13, 1921	January 31, 1922	12	Nothing.
Frank P. Rossano	February 10, 1921	January 31, 1922	12	225 00
Joseph A. Singarella	July 18, 1921	January 31, 1922	12	24 00
Charles Barron	. August 2, 1921 January 31, 1922.	January 31, 1922	12	120 60

Warren Brothers Company.	August 12, 1921 January 31, 1922	January 31, 1922	12	201 96
Kelly Brothers August 8, 1921 January 31, 1922	August 8, 1921	January 31, 1922	12	67 20
Henry F. Armington August 16, 1921	August 16, 1921	January 31, 1922	12	205 20
Charles Umana	August 30, 1921	January 31, 1922	12	Nothing.
Michael Daly January 31, 1922	August 30, 1921	January 31, 1922	12	98 82
Fleischmann Construction Company	September 6, 1921 January 31, 1922	January 31, 1922	12	Nothing.
Myer Feldman.	September 20, 1921 January 31, 1922	January 31, 1922	21	120 96
Isadore Zieman	September 30, 1921 January 31, 1922	January 31, 1922	12	Nothing.
New England Appraisal and Construction Company	October 13, 1921 January 31, 1922.	January 31, 1922	12	Nothing.
Massachusetts Concrete Construction Company	November 18, 1921 January 31, 1922.	January 31, 1922	12	Nothing.
The Scully Company	December 5, 1921 January 31, 1922.	January 31, 1922	12	Nothing.
	December 6, 1921 January 31, 1922	January 31, 1922	12	Nothing.
C. H. Zappe December 30, 1921 January 31, 1922	December 30, 1921	January 31, 1922	12	Nothing.

*These walks are guaranteed by a surety company bond for five years from date of completion, and were laid on various public streets where the contractor had agreements with the abutters. The price twelve (12) cents per square foot is equivalent to the expense to the city of one half the cost of a brick sidewalk.

Sheet Asphalt Pavement.

ONTRACT.
Allenwood street, from Anawan avenue to Pelton street; John T. Shea, Jr Castleton street, from South Huntington avenue to Jamaicaway: Chilton road, from Weld street, 411 feet northwesterly, Parkwood ternee, from Parkton road to Jamaicaway, West Roxbury.

¹Advertised and awarded to lowest bidder.

Asphalt Concrete Pavement.

Contract.	Awarded to.	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1921.
Ulabifax street, from South Huntington avenue to Pond W. DeMatteo April 29, 1921. Completed July 6, 1921 Emmons road, West Roxbury.	M. DeMatteo	April 29, 1921.	Completed July 6, 1921	\$17,600 25	\$17,638 61
1Columbus avenue, from Centre street to Walnut avenue; Seaver street, from Blue Hill avenue to Columbia road, Roxbury.	Simpson Brothers Corporation May 11, 1921. Completed Aug. 9, 1921	May 11, 1921.	Completed Aug. 9, 1921	64,573 40	63,984 43
1Chelsea street, from Maverick street to Day square; Brenen street, from 239 feet northeast of Maverick street to Porter street, East Boston.	Coleman Brothers, Inc	May 13, 1921.	May 13, 1921. Completed July 21, 1921	88,429 80	91,838 72
Muntington avenue (northwest roadway), from Gainsborough street to Hemonway street: West Newton street, from Tremont street to Shawmut avenue, city proper.	Andrews Construction Company.	May 12, 1921.	May 12, 1921. Completed July 18, 1921	27,071 95	30,757 52
Pontine street, from Tremont street to Hillside street, John McCourt Company	John McCourt Company	May 24, 1921.	Completed June 28, 1921	13,307 45	13,270 50
Hurrie road, from Cambridge street to Allston Play- grounds, Melton road, from Wallingford road to Colonial road; Thorndike street, from Common- wealth avenue to Brookline line, Brighton.		June 3, 1921.	June 3, 1921. Completed Sept. 15, 1921	16,152 06	16,518 29
Chestnut IIIII avenue, from Commonwealth avenue to Beacon street: Baeton street and Chestnut Hill avenue, from Brookline line to Brookline line (includ- ing Cleveland circle), Brighton.	John J. Lane June 13, 1921. Completed Oct. 16, 1921	June 13, 1921.	Completed Oct. 16, 1921	64,075 10	69,346 35
Centre street, from Columbus avenue across Hyde B. E. Grant Company Aug. 10, 1921. West Roxbury.	B. E. Grant Company	Aug. 10, 1921.	Unfinished	67,322 00	38,378 54

1 North Beacon street, from Market street to beyond John Kelly Company Oct. 5, 1921. Unfinished	John Kelly Company	Oet. 5, 1921.	Unfinished		41,201 45 11,264 09
1 Stuart street, from Dartmouth street across Trinity DeStefano Brothers, Inc Nov. 21, 1921. Unfinished eity proper.	DeStefano Brothers, Inc	Nov. 21, 1921.	Unfinished	24,556 50 Nothing.	Nothing.
Arborway, from Forest Hills street to Morton street, and Morton street, from Forest Hills avenue to 1,200 feet easterly, West Roxbury.	Rowe Contracting Company	Nov. 25, 1921.	Unfinished	22,498 75 Nothing.	Nothing.
1 Hastings street, from Centre street to Corey street, M. DeMatteo	:	Dec. 6, 1921. Unfinished.	Unfinished	3,646 76	3,646 76 Nothing.

1 Advertised and awarded to lowest bidder.

Wood Block Pavement.

Coverage Coverage of Awarded to					
		Dated.	Progress of Work.	Estimated Expended Cost. in 1921.	Amount Expended in 1921.
Charles street, from Beacon street to Cambridge street, B. E. Grant Company Aug. 2, 1921. Completed Nov. 22, 1921 \$38,398 55 \$41,719 27 eity proper.	ny Aug.	2, 1921.	Completed Nov. 22, 1921	\$38,398 55	\$41,719 27
1 Congress street, Post Office square, Milk street, from Coleman Brothers, Inc Sept. 16, 1921. Completed Nov. 22, 1921 21,153 00 23,251 31 State street across Federal street, city proper.	Inc Sept.	16, 1921.	Completed Nov. 22, 1921	21,153 00	23,251 31

1 Advertised and awarded to lowest bidder.

Bitulithic Pavement.

CONTRACT	Awarded to.	Dated.	Progress of Work.	Estimated E	Amount
					m 1921.
Dorchester street, from East and West Broadway to S. J. Tomasello		May 9, 1921.	May 9, 1921. Completed Sept. 1, 1921 \$29,117-20 \$41,551-73	\$29,117 20	\$41,551 73
¹ Brenton street, from Glenway street to Greenwood Warren Brothers Company June 8, 1921. Completed Aug. 10, 1921 15,145 42 15,392 16	Warren Brothers Company	June 8, 1921.	Completed Aug. 10, 1921	15,145 42	15,392 16
street; Whitten street, from Dorchester avenue to Althea street, Dorchester.					

1 Advertised and awarded to lowest bidder.

Granite Block Pavement.

Coythaut.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1921.
1 Charendon street, from Start street to bridge over Boston & Albany Railroad: Stanbope street, from Morgan street of Trinity place, 605 proper.		May 24, 1921.	May 24, 1921. Completed Aug. 18, 1921	\$24,453 90	\$27,025 53
¹ Columbus avenue, from Tremont street across Centre John Kelly Company June 24, 1921. Completed Oct. 17, 1921 street, Roxbury.	John Kelly Company	June 24, 1921.	Completed Oct. 17, 1921	50,894 05	57,382 03
¹ Washington street from 69 feet south of Corinth street Gore, Inc to Dorton terrace, West Roxbury.	Gore, Inc	Aug. 30, 1921. Unfinished	Unfinished	24,160 23	16,498 47
¹ Centre street, between Columbus avenue and Green Boston Elevated Street Rail- Oct. 21, 1921. street, West Roxbury.	Boston Elevated Street Railway Company.	Oet. 21, 1921.	Unfinished	11,520 00	13,459 71
¹ Washington street, from Archdale road to Corinth street, West Roxbury.	Boston Elevated Street Rail- June 23, 1920. Completed way Company.	June £3, 1920.	Completed	26,000 00	26,934 03
² Belgrade avenue and Centre street, West Roxbury	Boston Elevated Street Rail- Aug. 25, 1920. way Company.	Aug. 25, 1920.	Completed	65,000 00	59,242 89
¹ Washington street, from 69 feet south of Corinth street, to Denton terrace, West Roxbury.	Boston Elevated Street Rail- Dec. 5, 1921. way Company.	Dec. 5, 1921.	Completed	14,000 00	18,295 94
Dorchester avenue, from Park street to Ashmont Gore, Inc July 22, 1921. Completed Dec. 3, 1921	Gore, Inc	July 22, 1921.	Completed Dec. 3, 1921	57,702 00	53,639 58

Pavement.
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Bituminous
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Repairing
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Contract.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1921.
Repairing bituminous pavement	Rowe Contracting Company April 22, 1921. Completed Jan. 31, 1921 \$70,050 00 \$50,243 20	April 22, 1921.	Completed Jan. 31, 1921	\$70,050 00	\$50,243 20

Removing Snow and Ice.

Distact.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1921.
¹ Snow District No. 1	G. Ferullo Company Dec. 12, 1921. Uncompleted	Dec. 12, 1921.	Uncompleted	\$0 35 per cubic yard	Nothing.
¹ Snow District No. 2	Beatty Construction Company. Dec. 24, 1921. Uncompleted	Dec. 24, 1921.	Uncompleted	40 per cubic yard	Nothing.
¹ Snow District No. 3	Coleman Brothers, Inc Dec. 12, 1921. Uncompleted	Dec. 12, 1921.	Uncompleted	40 per cubic yard	Nothing.
Snow District No. 4	Charles Capone	Dec. 12, 1921.	Dec. 12, 1921. Uncompleted	48 per cubic yard	Nothing.
1 Snow District No. 5	B. E. Grant Company	Dec. 12, 1921. Uncompleted	Uncompleted	44 per cubic 3 ard	Nothing.
¹ Snow District No. 6	B. E. Grant Company Dec. 12, 1921. Uncompleted	Dec. 12, 1921.	Uncompleted	34 per cubic yard	Nothing.
1 Snow District No. 7	Beatty Construction Company Dec. 24, 1921. Uncompleted	Dec. 24, 1921.	Uncompleted	33 per cubic yard	Nothing.
¹ Snow District No. 8	Standard Construction Company, Dec. 12, 1921. Uncompleted	Dec. 12, 1921.	Uncompleted	42 per cubic yard	Nothing.
1 Snow District No. 9	J. C. Coleman & Sons Company Dec. 15, 1921. Uncompleted	Dec. 15, 1921.	Uncompleted	34 per cubic yard Nothing.	Nothing.

¹ Advertised and awarded to lowest bidder.

² Not advertised.

Sewer and Sanitary Division — Sewer Service.

Sewerage Works.

Сомтилест.	Awarded to	Dated.	Progress of Work.	Estimated Cost as per Estimated Quantity, not Including Materials Furnished by City.	Amount Expended in 1921.
1 Harrison avenue, from Eustis street to Palmer Charles Struzziery Feb. 8, 1921. Completed March 24, 1921	Charles Struzziery	Feb. 8, 1921.	Completed March 24, 1921	\$4,851 00	\$4,640 52
¹ Melton read, from Wallingford road to Colonial M. DeSisto Company April 18, 1921. Completed July 19, 1921	M. DeSisto Company	April 18, 1921.	Completed July 19, 1921	4,544 15	3,931 10
1 Whitten street, from about 350 fect west of General Construction Com- April 22, 1921. Completed July 2, 1921 elester.	General Construction Company, Inc.	April 22, 1921.	Completed July 2, 1921	5,783 50	5,207 77
¹ Chatham street, from Commercial street to Milliam Barrett & Co Merehants row, city proper.	William Barrett & Co	April 22, 1921.	April 22, 1921. Unfinished	11,617 50	12,535 36
¹ Romoke road, from Blake street to Weybosset Joseph Todesca April 13, 1921. Completed Oct. 6, 1921	Joseph Todesca	April 13, 1921.	Completed Oct. 6, 1921	6,602 70	7,590 37
¹ Stark street, from Rowland street and Cambridge street, Charlestown.	A. Cefalo	April 29, 1921.	Completed May 19, 1921	1,495 00	1,253 91
Boutwell street, from Queen street to Train street, and Train street, from Boutwell street to Munroe terrace, Dorchester.	Charles Struzziery	May 11, 1921.	May 11, 1921. Completed July 26, 1921	2,825 75	2,503 33
¹ Roslindale branch of Stony brook in Firth road and private land, from Corinth street to Lindall street, West Roxbury.	A. Baruffaldi	May 5, 1921.	May 5, 1921. Unfinished	84,061 80	47,606 25
¹ Wood avenue, from Oakland street to Noah street, Dorehester and Hyde Park.	George J. Regan May	May 9, 1921.	9, 1921. Completed July 7, 1921	4,424 50	4,335 68
¹ Seminole street, Dorchester and Hyde Park T. Coughlin	T. Coughlin	May 24, 1921.	Completed Aug. 11, 1921	4,124 45	4,594 00

820 83	5,626 57	1,886 20	3,992 07	2,184 81	971 79	3,327 67	1,141 42	1,869 89	12,092 91	7,096 34	683 83	2,535 42	19,558 76
1,210 45	5,003 50	2,547 00	4,787 20	3,717 75	1,299 50	4,311 50	1,661 45	2,292 15	12,753 10	4,935 00	1,542 00	2,966 00	34,167 00
May 25, 1921. Completed July 28, 1921	Completed Nov. 19, 1921	Completed Aug. 2, 1921	Completed Aug. 10, 1921	Completed Nov. 21, 1921	Completed Aug. 4, 1921	Completed Aug. 27, 1921	Completed Aug. 16, 1921	Completed Aug. 22, 1921	Completed Oct. 24, 1921	Unfinished	Completed Oct. 2, 1921	Completed Sept. 22, 1921	Unfinished
May 25, 1921.	June 1, 1921.	June 8, 1921.	June 7, 1921.	June 3, 1921.	June 24, 1921.	June 24, 1921.	July 8, 1921.	July 8, 1921.	July 18, 1921.	July 26, 1921.	July 27, 1921.	Aug. 10, 1921.	Aug. 30, 1921.
	J. Guarino & Co	D. Vitiello	V. Grande	A. Cefalo	V. Grande	James Barletta	General Construction Company, Inc.	A. Cefalo July	James J. Conway	James Barletta	M. DeSisto	Charles Struzziery	General Construction Company, Inc.
Oakwood avenue and Thane street, A. Cefalo	Townsend street, from Warren street, about J. Guarino & Co 460 feet northwesterly, Roxbury.	Saunders street, from Guillord street to Cambridge street; and Inrie road, from Cambridge street to playground, Brighton.	Water and Williams streets and outlet in private land, from Neponset river to Water street, Hyde Park.	Anawan avenue and Allenwood street, from Beech street to Pelton street, West Roxbury.	Mull street, from 177 feet southeasterly, from Show Hill street to a point 155 feet northwesterly, etty proper.	Tampa street, Dorchester and Hyde Park; James Barletta. Edgewater drive, Dorchester.	North Harvard street and Parker avenue, from Empire street and Sorrento street, Brighton.	Chilton road, from Addington road and Weld street, and outlet from Addington road 70 feet northwesterly, West Roxbury.	1 D street and Fargo street, South Boston	¹ Porter street outlet, Cottage street and Lamson street, East Boston.	1 Ruxton road, from Rugby road to Ridge road, M. DeSisto Dorchester.	River street and outlet in private land, Hyde Park.	Davenport brook in private land, between Minot and March streets, from existing con- ercte conduit in Henderson road about 510 feet easterly, Dorchester.

Sewerage Works.—Continued.

Contract.	Awarded to	Dated.	Progress of Work.	Estimated Cost as per Estimated Quantity, not Including Materials Furnished by City.	Amount Expended in 1921.
Peabody street, from Brookline avenue to T. Coughlin Binney street, Roxbury.	T. Coughlin	Sept. 6, 1921.	Sept. 6, 1921. Completed Sept. 22, 1921	\$1,649 00	\$682 41
1 Bellevue street, from Howlett road to Robbins D. Vitiello street, West Roxbury.	D. Vitiello	Sept. 6, 1921.	Completed Dec. 15, 1921	18,067 75	7,726 28
¹ Alleghany street, between Terrace and Parker George J. Regan streets, Roxbury.	George J. Regan		Sept. 16, 1921. Completed Sept. 29, 1921		2,993 33
1 Elmhurst street, from Southern avenue and T. Coughlin Norfolk street, Dorehester.	T. Coughlin	Sept. 16 1921.	Completed Oct. 13, 1921	1,326 60	1,002 60
1 Freeland street, Dorchester, and Rutledge George J. Regan road and Selton street, Hyde Park.	George J. Regan	Sept. 19, 1921.	Sept. 19, 1921. Completed Dec. 8, 1921	2,485 25	1,603 72
1 Allston Heights, from Cambridge street to 1. DeSisto Company	1. DeSisto Company	Sept. 22, 1921.	Unfinished	1,318 75	775 11
1 Chesterton street, from Massachusetts ave- C. & R. Construction Com- Oct. 13, 1921. Completed Nov. 20, 1921 nuc-to-Allerton street, Roxbury.	C. & R. Construction Company.	Oct. 13, 1921.	Completed Nov. 20, 1921	7,805 20	5,333 08
² Chelsea street, from Henley street to Chest- nut street, Charlestown.	S. J. Tomuscho	Oct. 13, 1921.	Completed Nov. 26, 1921	4,082 65	23,548 74
Private land and land of Boston Consump- James Barletta Oct. 24, 1921. tives' Hospital, Dorehester.	James Barletta	Oct. 24, 1921.	Unfinished	6,329	3,798 99
Metcalf street, from Dundee avenue to Pen- field street; Cory street, from Corey street to Park: Hastings street, from Hastings street to Cory street, West Roxbury.	P. De Cristoforo	Oct. 24, 1921.	Unfinished	4,411 21	1,271 59
Parragut road, from East First street to East James J. Conway Oct. 18, 1921. Second street; and East Second street from Farragut road and O street, South Boston.	James J. Conway	Oct. 18, 1921.	Unfinished	25,106 55	7,738 91

Tilton street, from Fellows street, 280 feet M. H. Loonie	M. H. Loonie	Oct. 18, 1921.	Completed Nov. 22, 1921	3,661 00	2,984 19
¹ Hyde Park avenue, from 250 feet southwest- of New Allon street, about 550 feet south- westerly, Hyde Park.	A. Grande	Nov. 15, 1921.	Unfinished	8,036 25	
¹ Faneuil Valley brook conduit and dredking of Charles river, at outlet of conduit, Brighton.	James Barletta	Nov. 8, 1921.	Unfinished	8,320 00	2,429 64
¹ Alarie street, from Centre street to 250 feet J. Guarino & Co westerly, West Roxbury.	J. Guarino & Co	Nov. 18, 1921.	Completed Dec. 22, 1921	1,692 00	1,061 80
Balsam street, from Erma street to Blue Hill T. Coughlin avenue: Ashton street, from Arbutus street to Balsam street, Dorchester.	T. Coughlin	Nov. 18, 1921.	Completed Jan. 5, 1922	3,109 30	1,694 28
¹ Wood avenue, from existing sewer, 62 feet L. De Sisto & Conortheast of Parker street, about 250 feet northeast, Ifyde Park.	L. De Sisto & Co	Nov. 18, 1921.	Unfinished	1,580-25	742 43
¹ Arborway, from Forest Hills street to Morton street: Morton street from Forest Hills street to point 500 feet east of Morton road, West Roxbury.	M. De Matteo	Nov. 21, 1921.	Unfinished	4,218 00	1,777 04
1Alley No. 816, from St. Botolph street, 275 C. & R. Construction Comfeet southeasterly, and outlet in St. Botolph pany.	C. & R. Construction Company.	Nov. 21, 1921.	Unfinished	6,298 50	4,135 24
¹ Mt. Vernon street, from Charles street to Charles river embankment, eity proper.	A. Di Lueci & Co	Nov. 30, 1921.	Unfinished	14,924 40	1,979 11
Oakland brook in Monterey avenue: Savanah avenue, private land, Itasea street and Currier street, Dorchester.	J. W. O'Connell	Dec. 5, 1921.	Unfinished	24,887 00	
¹ Passageway at No. 821 Adams street, Dorlester. Co. De Sisto & Co. elester.	L. De Sisto & Co	Dec. 6, 1921.	Unfinished	1,138 50	383 16
¹ Harmon street, from Randolph road about 200 feet northeasterly; Mattapan street, from Almont street about 90 feet south- casterly, Dorchester.	George J. Regan	Dec. 9, 1921.	Unfinished	1,645 73	1,109 58

Sewerage Works.—Concluded.

Contract.	Awarded to	Dated.	Progress of Work.	Estimated Cost as per Estimated Quantity, Amount not Including Expended Materials Furnished in 1921.	Amount Expended in 1921.
Wanderbilt avenue, from Blake street about George J. Regan Dec. 9, 1921. Unfinished	George J. Regan	Dec. 9, 1921.	Unfinished	\$1,069 25	
¹ East Cottage street, from Pleasant street to A.G. Tomaschlo & Sons Dec. 27, 1921. Unfinished	A. G. Tomasello & Sons	Dec. 27, 1921.	Unfinished	2,389 75	\$1,144 87
¹ Alley No. 817, from Gainsborough street, 370 James Barlettafeet westerly, Roxbury.	James Barletta		Dec. 29, 1921. Unfinished	6,910 00	
¹ Rockland avenue, from Grampian way to A. Cefalo	A. Cefalo	Jan. 4, 1922.	Unfinished	2,644 00	
Wen street, from Saville street to Robbin D. Vitiello Jan. 4,1922.	D. Vitiello	Jan. 4, 1922.	Unfinished	3,394 75	
Glendale road outlet, Section 1, and North A. Baruffaldi	A. Baruffaldi	Aug. 2, 1921.	Unfinished	51,131 50	8,305 18

¹ Advertised and awarded to lowest bidder.

² Advertised and awarded to second lowest bidder.

² Advertised and awarded to second lowest bidder.

¹ Advertised and awarded to lowest bidder.

Miscellaneous.

Сомтнаст.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1921.
¹ Building catch-basins, manholes and minor drains in A. Grande	A. Grande	April 8, 1921.	Completed May 18, 1921	\$1,374 25	\$2,366 14
Building catch-basins, manholes and minor drains in William Barrett & Co May 24, 1921. Completed Dec. 28, 1921	William Barrett & Co	May 24, 1921.	Completed Dec. 28, 1921	7,227 25	9,605 00
Cleaning sewers in Public Alley No. 704, from Waltham and Union Park street, from Shawmut avenue pany. Completed June 9, 1921	Andrews Construction Company.	May 23, 1921.	Completed June 9, 1921	744 00	732 00
¹ Repairs to boilers Nos. 4 and 5, pumping station, Call Simpson's Patent Dry Dock June 13, 1921. Completed June 16, 1921 Completed June 16, 1921	Simpson's Patent Dry Dock Company.	June 13, 1921.	Completed June 16, 1921	1,200 00	1,000 00
¹ Cleaning sewers in Porter street, from Bremen street to James Barletta	James Barletta	Aug. 18, 1921.	Completed Sept. 11, 1921	3,025 00	4,179 00
² Building catch-basins, manholes and minor druins in A. Cefalo Dorchester, Brighton, West Roxbury and Hyde Park.		Aug. 26, 1921.	Aug. 26, 1921. Completed Dec. 16, 1921	6,980 75	7,512 55
¹ Building west shaft house, pumping station, Calf Pas- Archdeacon & Sullivan Oct. 28, 1921. Completed Dec. 21, 1921 ture, Dorchester.	Archdeaeon & Sullivan	Oct. 28, 1921.	Completed Dec. 21, 1921	3,020 00	1,719 01
¹ Building catch-basins, manholes and minor drains in William Barrett & Co Dec. 5, 1921. Unfinished	William Barrett & Co	Dec. 5, 1921.	Unfinished	7,355 00	1,213 80
Boston.					00 0001

Cleaning Catch=basins.

Біятист.	Awarded to	Dated.	Progress of Work.	Price Per Cubic Yard.	Price Per Amount Cubic Fard. Expended in 1921.
Districts Nos. 1 and 2, city proper, Back Bay, South Thomas D. Russo End and Roxbury North.	:	Feb. 7, 1921	Feb. 7, 1921. Completed Jan. 31, 1922	82 10	\$2 10 \$29,672 28
District No. 4, Charlestown and East Boston	M. H. Loonie	Feb. 7, 1921	Feb. 7, 1921. Completed Jan. 31, 1922	2 50	11,627 44
Districts Nos. 5 and 6, Brighton and West Roxbury D. Vozzella & Co.	D. Vozzella & Co	Feb. 7, 1921	7, 1921. Completed Jan. 31, 1922	$\binom{*2}{+2}$ 33 $\binom{*2}{+2}$	7,263 55
District No. 7, Dorchester and Hyde Park	T. P. McMorrow	Feb. 15, 1921	Feb. 15, 1921. Completed Sept. 24, 1921	1.58	7,788 64
Districts Nos. 1 and 2.	M. H. Loonie	Dec. 5, 1921	Dec. 5, 1921. Completed Dec. 21, 1921	1 90	2,643 73

 \dagger West Roxbury. Advertised and awarded to lowest bidder.

* Brighton.

¹ Advertised and awarded to lowest bidder.

SEWER AND SANITARY DIVISION.—SANITARY SERVICE.

Collecting and Removing House Offal.

	Awarded to	Dated.	ed.	Progress of Work.	Price Per Cubie Yard.	Price Per Amount Cubic Expended Yard, in 1921.
District No. 1, East Boston	Hugh H. Cameron	Feb. 7	, 1921.	Feb. 7, 1921. Completed Jan. 31, 1922	\$1.97	\$9,099 82
Districts Nos. 2 and 3, Brighton and West Roxbury Patrick F. Donovan Feb. 7, 1921. Completed Jan. 31, 1922	novan	Feb. 7	, 1921.	Completed Jan. 31, 1922	${ *1 34 \atop \{ †1 59 \} }$	17,976 29
District No. 4, Dorehester	:	Feb. 7	, 1921.	7, 1921. Completed Jan. 31, 1922	3 00	52,075 20
District No. 5, Hyde Park Walter B. Downey	:	Feb. 7	, 1921.	Feb. 7, 1921. Completed Jan. 31, 1922	1 10	3,044 53

¹ Advertised and awarded to lowest bidder. * Brighton. † West Roxbury.

Collecting and Removing Ashes, House Dirt, Store Dirt and Refuse.

District.	Awarded to	Dated		Progress of Work.	Price Per A Cubic Ex	Amount Expended in 1921.
1 District No. 1, East Boston	A. DeStefano & Co	Feb. 7,	1921.	Completed Jan. 22, 1922	\$0.54	\$30,063 06
¹ District No. 2, Brighton	Frank Shea & Co Feb. 7, 1921. Completed Jan. 22, 1922	Feb. 7,	1921.	Completed Jan. 22, 1922	06	48,089 38
District No. 3, West Roxbury	Thomas E. Bryan Feb.	Feb. 7,	1921.	7, 1921. Completed Jan. 22, 1922	45	14,673 04
District No. 4, Dorchester	Joseph P. McCabe	Feb. 8,	1921.	Completed Jan. 22, 1922	713	713 116,578 96
¹ District No. 5, Hyde Park	M. McGinnis & Co	Feb. 7,	1921.	Feb. 7, 1921. Completed Jan. 22, 1922	43	7,186 42

Contracts in Force Made in Previous Years.

Contract,	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1921.
Disposal of refuse for ten years	Boston Development and San- Feb. 1, 1912. Unfinished	Feb. 1, 1912.	Unfinished	\$1,432,000 00 \$144,000 00	\$144,000 00

District.	Awarded to	Dated.	Progress of Work.	Estimated Expended Expended in 1921.	Amount Expended in 1921.
¹ Removing manure from stables and yards in the various J. N. Smith & Co	J. N. Smith & Co	Feb. 15, 1921.	Feb. 15, 1921. Completed Jan. 31, 1922		* \$6 65 \$3,390 70
Advertised and awarded to highest bidder.	st bidder.	* Pr	* Price per horse per year paid to eity.	eity.	

¹ Advertised and awarded to highest bidder.

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Estimated Expended Cost. in 1921.	\$1,850 00 \$325 23
Estim	\$1,85
Progress of Work.	Unfinished
Dated.	Mar. 11, 1921.
Awarded to	Bay State Dredging and Contracting Company.
Сомтиаст.	¹ Dredging at refuse receiving station, Victory road, Dordracting Company. Bay State Dredging and Conductor 11, 1921.

¹ Advertised and awarded to lowest bidder.

SEWER AND SANITARY DIVISION.—STREET CLEANING AND OILING SERVICE.

Furnishing Carts for Watering and Oiling Streets.

		,		Price per Cart per Day.	rt per Day.	Amount
District.	Awarded to	Dated.	Progress of Work.	Two-horse.	Two-horse. Three-horse.	in 1921.
¹ No. 1, South Boston and Dorchester North E. J. Byrne	E. J. Byrne	Mar. 29, 1921.	Completed Jan. 31, 1922	\$7.74	\$7.73	\$8,804 25
¹ No. 2, East Boston and Breed's Island		Mar. 29, 1921.	E. J. McHugh and Son Mar. 29, 1921. Completed Jan. 31, 1922	8 00	8 00	2,480 00
No. 3, Charlestown	Estate of P. O'Riorden Mar. 29, 1921. Completed Jan. 31, 1922.	Mar. 29, 1921.	Completed Jan. 31, 1922	9 25	9 50	4,888 63
¹ No. 4, Brighton	Bernard Malone	Mar. 29, 1921.	Bernard Malone Mar. 29, 1921. Completed Jan. 31, 1922	9 40	9 40	4,291 10
¹ No. 5, West Roxbury	J. Kelly Company	April 8, 1921.	J. Kelly Company April 8, 1921. Completed Jan. 31, 1922	8 25	10 50	4,461 20
No. 6-9, Dorchester and Ashmont	J. P. McCabe		Mar. 29, 1921. Completed Jan. 31, 1922	7 40	7 40	6,571 20
¹ No. 7, Roxbury South and Jamaica Plain M. A. Connors Company Mar. 29, 1921. Completed Jan. 31, 1922	M. A. Connors Company	Mar. 29, 1921.	Completed Jan. 31, 1922	2 00	2 00	5,533 50
1 No. 8, South End and Roxbury North		April 8, 1921.	B. E. Grant Company April 8, 1921. Completed Jan. 31, 1922	7 35	7 35	62 109'1
No. 11, IIyde Park	T. H. Corrigan	Mar. 29, 1921.	T. H. Corrigan	00 6		4,169 25

¹ Advertised and awarded to lowest bidder.

Miscellaneous.

District.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1921.
² Furnishing combination motor, street sprinkling and B. E. Grant Company. April 8, 1921. Completed Jan. 31, 1922. flushing trucks.	B. E. Grant Company.	April 8, 1921.	Completed Jan. 31, 1922	*\$24 50	\$58,432 50
Furnishing and operating electric sprinkler car for American Car Sprinkler May 4, 1921. Completed Oct. 31, 1921. \$1,800 per month.	American Car Sprinkler Company.	May 4, 1921.	Completed Oct. 31, 1921	\$1,800 per month.	10,635 00

2 Advertised and awarded to second lowest bidder.

3 Not advertised.

WATER DIVISION.— WATER SERVICE. Laying and Relaying Water Pipes.

					- manual
Contract.	Awarded to	Dated.	Progress of Work.	Estimated Cost as per Estimated Quantities, Including Material Furnished by City.	Amount Expended in 1921.
Middlesex street, from Dover street to Castle street; East Dediam street, from Harrison avenue to Albany street; Stoughton street, from Harrison avenue to Albany street, etty proper.	General Construction C o m - April 22, 1921. Completed May 21, 1921	April 22, 1921.	Completed May 21, 1921	00 002'88	81,994 90
Doone avenue and Morton street, Dorchester; P. DeCristoforo April 22, 1921. Completed June 21, 1921 Coving street, West Roabury: Brackett and Morton	P. DeCristoforo	April 22, 1921.	Completed June 21, 1921	4,025 50	3,093 50
¹ Austin street, Beaver street, Chestnut street, D. Vitiello	D. Vitiello	April 23, 1921.	Completed June 18, 1921	5,048 50	3,008 65
May 24, 1921. Sturgis road, West Roxbury; Rutledge road and Wood avenue, Hyde Park.	A. Cefalo	May 24, 1921.	Completed June 16, 1921	1,671 25	1,281 14
1 Clarendon street, from Stuart street to Stan- hope street; Trinity place, from Stuart street to Stanbepe street; Kneeland street, from Harrison avenue to Whitmore street; Whitmore street, from Harvard street to Kneeland street; West Newbury street, from Brookline avenue to Charlesgate East; Kennome street, from West Newbury street to Commonwealth avenue; Common monwealth avenue, easterly of Brookline avenue; Stanbope street, from Morgan street for Trinity place, etty proper.	M. DeSisto Company	May 24, 1921.	Completed Aug. 20, 1921	4,500 00	3,292 46

		1 0 0 2 1	to works Dermin	.11.13.14	1.	
4,016 36	3,094 88	4,299 73	2,863 62	6,189 78	1,384 46	1,354 84
5,000 00	5,367 25	7,124 90	3,032 00		3,000 00	4,511 50
Completed Oct. 1, 1921	June 30, 1921. Completed Sept. 28, 1921	Completed Nov. 22, 1921	Compluted Sept. 30, 1921	Completed Nov. 5, 1921	Completed Nov. 23, 1921	Unfinished
June 22, 1921.	June 30, 1921.	July 26, 1921.	Ang. 2, 1921.	Aug. 2, 1921.	Oct. 21, 1921.	Oct. 28, 1921.
Thomas Burke	P. DeCristoforo	M. DeSisto Company July 26, 1921.	D. Vozzella Company	Schena and DiPictro Aug.	J. Williams & Co	P. DeCristoforo
*Everett street, from Orleans street to Jeffries Thomas Burke	1 Auburn street, Boech street, Bellevue avenne, Congreve street, Cornell street, Hemlock street, Linden street, Lists trreet, Metro- politan avenue, Washington street, West Roxbury, and Chester street, Dorchester.	1 Banfield avenue, Corbet street, New England avenue and Selden street, Dorelester; Holmfield avenue, Massasaof street, Mattakeeset street, Monponset street and Neponset river reservation, Hyde Park.	South Bay avenue and Moore street, Roxbury. Bond street, from Hanson street to Milford street, eity proper: Taylor street, from Milford street to Dwight street; Hanson street. From Shawmut avenue for Tremont street. Pembroke street, from Shawmut avenue for Tremont street. Pembroke street, from Shawmut avenue for Tremont street. West Concord street, from Washington street, from Washington street, from Washington street to Tremont street. Upton street from Washington street to Tremont street. Tremont street. Tremont street. Tremont street from Washington street to Tremont street. From Shawmut avenue to Tremont street. North Anderson street, from Cambridge street to Parkman street, eity proper.	¹ Perkins street, from Jamaicaway to Prince street, West Roxbury.	1 Georgia street, from Warren street to Mon-tan street to Mon-tan street; Warner street, from Blue Hill avenue to Maple street; Maple street, from Blue Hill avenue to Maple street in Street street, Rable street, Rable street in State of	¹ Dudley street, from Blue Hill avenue to Mag- P. DeCristoforo Oct. 28, 1921. noin street, Dorehester.

1Advertised and awarded to lowest bidder.

Laying and Relaying Water Pipes.—Concluded.

CONTRACT. Awarded to Chester street, Sunmer street, Hyde Park; V. Schena					
neet, Summer street, Hyde Park; V. Schena	d to	Dated.	Progress of Work.	Estimated Cost of per Estimated Quantities, Including Material Furnished by City.	Amount Expended in 1921.
Hallowell street, Wilfungton avenue, 1907- efrester: Aslunore road, Hyde Park avenue, West Roxbury.		Nov. 8, 1921.	Nov. 8, 1921. Completed Dec. 17, 1921	\$1,649 00	\$1,441 78
Huntington avenue, Hyde Park; Washington James Barletta Heights avenue, east, West Roxbury.		Nov. 30, 1921.	Nov. 30, 1921. Unfinished	2,189 00	591 86
Bancroft street, from Argyle street to railroad J. Williams & Co Dorehester; Minton place, northerly of Melvinside terrace, Dorehester; Tilton street, from Fellows street, Roxbury.		Dec. 27, 1921.	Dec. 27, 1921. Unfinished	650 00	232 31

Miscellaneous.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1921.
Pitometer water waste survey of the high service The Pitometer Company May 13, 1921. Completed Nov.1, 1921 \$\frac{2}{2}0,000 00 system of the city proper, Roxbury, and a greater part of Dorehester, also a portion of the low service system in the city proper.	The Pitometer Company	May 13, 1921.	Completed Nov.1, 1921	\$50,000 00	\$20,000 00
Pitometer water waste survey of the portion of the Pitometer Company Nov. 29, 1921. Completed Jan. 20, 1922 low service system of Roxbury, bounded by Charles river, Massachusetts avenue, Washington street, Dudley street, Roxbury street, Tremont street, Hundington avenue and town of Brookline.	The Pitometer Company	Nov. 29, 1921.	Completed Jan. 20, 1922	00 000'9	6,000 00

3,299 88	3,750 72	3,550 43	13,118 57	3,344 90	370 86	1,991 28	
3,200 00	3,680 00	3,650 00	7,000 00	3,500 00	2,200 00	1,980 00	
Completed Aug. 20, 1921	Completed Oct.31, 1921	Completed July 9, 1921	Unfinished	Sept. 20, 1921. Completed Oct. 31, 1921	Unfinished	Completed July 16, 1921	2 Not advertised
Aug. 16, 1921.	Oct. 24, 1921.	June 24, 1921.	Aug. 10, 1921.	Sept. 20, 1921.	Oct. 18, 1921.	June 2, 1921.	
National Water Main Cleaning Company, Inc	National Water Main Cleaning Company, Inc	National Water Main Cleaning June 24, 1921. Completed July 9, 1921	Transit Department Aug. 10, 1921. Unfinished	V. Grande	DeStanfano Brothers, Inc Oct. 18, 1921. Unfinished	Angelo Grande	Advertised and awarded to lowest bidder.
1 Cleaning water pipes in Cottage street, from Margi- nal street to Maverick street, from Frankfort street to Jeffreys street; Marginal street, from Lowis street to Jeffreys street; Marginal street, from Sumer street to Maverick street; More street, from Sumer street to Maverick street; More street, from Sumer street to Maverick street; More Butteet, from Meridian street to White street, East Boston.	Cleaning water pipes in North Beacon street, from National Water Main Cleaning Oct. 24, 1921. Completed Oct.31, 1921 Anter street to Parsons street. Vashington street, Company, Inc	Cleaning water pipes in Sumner street, from Maverick square to New street, Border street, from Sumner street to Condor street, Condor street, from Border street to Brooks street. Meridian street, from Central square to Condor street, White street, from Border street to Trenton street, East Boston.	2 Constructing a building inclosing the high pressure fire pump equipment, Atlantic avenue, eity proper.	1 Setting concrete meter boxes, Wards 5, 6, 7, 8, 11, 12, V. Grande	¹ Repairing artificial stone sidewalk blocks	1 Repairing artificial stone sidewalk blocks Angelo Grande June 2, 1921. Completed July 16, 1921	1 Advertised and aw

The following table shows the snowfall and rainfall since 1915:

Snowfall (inches).

Month.	1915.	1916.	1917.	1918.	1919.	1920.	1921.
January	7.0	4.8	13.1	13.8	4.1	34.8	3.6
February	5.1	30.3	8.9	5.7	6.2	32.5	23.2
March	T.	33.0	12.9	12.8	2.4	11.0	
April	6.1	4.2	9.1	4.2		2.0	
November	0.2	0.7	2.2	Т.	0.2	1.8	1.6
December	6.7	9.5	7.0	8.4	2.9	5.5	4.4
Totals	25.1	82.5	53.2	44.9	15.8	77.6	32.8

Rainfall (inches).

Month.	1915.	1916.	1917.	1918.	1919.	1920.	1921.
January	6.33	1.23	2.82	3.11	3.62	2.72	2.24
February	3.47	5.18	2.67	2.30	2.66	5.88	2.64
March	Т.	3.20	3.73	3.19	4.11	3.72	1.92
April	1.86	4.51	2.72	3.08	2.33	5.68	4.62
May	1.64	2.83	4.45	1.99	4.25	5.26	3.64
June	1.39	5.04	4.05	1.94	1.08	5.78	3.58
July	8.85	5.67	1.10	2.64	4.63	1.56	11.69
August	5.63	2.19	7.06	1.56	5.07	2.32	1.63
September	0.69	1.90	1.91	9.19	5.83	1.90	1.22
October	2.82	0.94	5.33	0.99	2.13	1.64	1.24
November	2.14	1.67	0.59	1.20	5.36	5.46	6.19
December	3.94	3.00	2.56	3.21	1.63	3.89	2.35
Totals	38.76	37.36	38.99	34.40	42.70	45.81	42.96

In this rainfall is included the precipitation during the winter months which equal one tenth of an inch to one inch of snowfall.

Area of Pavements.

The following table shows Area in Square Yards and Character of Pavements on Accepted Streets, February 1, 1922.

Dispatet.	Sheet Asphalt.	Asphalt Concrete.	Granite Block.	Wood Block.	Plank on Bridges.	Brick.	Concrete.	Macadam. Gravel.	Gravel.	Not Graded.	Totals.
Year 1920 report	763,022	560,698	2,510,383	268,457	38,146	112,937	26,073	6,538,199	476,179	116,735	11,410,829
Per cent.	69.9	4.91	22.00	2.35	0.34	0.99	0.23	57.30	4.17	1.02	100.00
February 1, 1922.											
City Proper	331,847	177,364	931,614	191,192	7,686	9,970	1,752	351,349	1,839	10,859	2,015,472
Charlestown	6,518		274,697	2,029	4,020	756	672	153,538	1,129	511	443,870
East Boston	49,648	24,705	139,340	187	1,609	771		447,030	13,148		676,438
South Boston	31,490	31,194	428,950	13,462	5,624	3,255		386,293	19,113	40,103	959,484
Roxbury	106,460	107,305	381,255	25,245	1,417	50,373	2,111	951,663	20,695	945	1,650,469
West Roxbury	73,743	141,279	157,696	583	1,833	:	4,814	1,259,971	808'89	20,367	1,729,094
Dorchester	75,469	120,973	246,738	43,424	6,136	48,639	1,735	1,728,161	82,448	8,087	2,361,810
Brighton	112,749	111,194	98,459	3,675	3,863	17	15,302	615,046	43,756	5,649	1,009,710
Hyde Park	14	32,381	12,060	777	4,495			338,990	214,378	9,567	612,662
Totals	* 787,938 † 746,395	† 746,395	‡ 2,673,809	280,574	36,683	113,781	\$ 26,386	6,232,041	465,314	880,96	11,459,009
Per eent	6.88	6.51	23.33	2.45	0.32	0.99	0.23	54.39	4.06	0.81	100.00

Terri-Nore. — In the above table the city is subdivided substantially on the boundary lines between the districts as they existed when annexed to Boston. tory annexed from Brookline is included in city proper.

* Of this amount 470 square yards is Unionite.

† Of this amount 774 square yards is asphalt block, 373,204 square yards is bitalithic, 1,614 square yards is Endurite, 959 square yards is Filbertine, 20,628 square + Of this amount 774 square yards is asphalt block, 373,204 square yards is bitalithic, 1,614 square yards is Endurite, 959 square yards is Filbertine, 20,628 square

yards is Simusco and 258,426 square yards is Topeka.

† Of this amount 2,030 square yards is Topeka.

† Of this amount 2,030 square yards is obble and 1,196,018 square yards is plane Granitoid concrete blocked pavement and 836 square yards is Blome Granitoid concrete blocked pavement and 836 square yards is Blome Granitoid concrete blocked pavement and 836 square yards is bythic allege an indicate an academ.

| Of this amount 2,333,347 square yards is bythin allege and in this bable.

| 22,159 square yards public streets in charge of Park Department included in this table.

| 02,661 square yards public streets in charge of the Commonwealth of Massachusetts included in this table. In addition to this table there are 6,719 square yards of accepted footways.

Length of Pavements.

The following Table Shows Length in Miles and Character of Pavements on Accepted Streets, February 1, 1922.

District.	Sheet Asphalt.	Asphalt Concrete.	Granite Block.	\mathbf{Wood} Block.	Plank on Bridges.	Brick.	Concrete.	Maeadam.	Gravel.	Not Graded.	Totals.
Year 1920 report.	43.88	27.68	105.23	11.06	1.76	5.39	1.86	375.28	30.38	2.28	604.80
Per cent	7.25	4.58	17.40	1.83	0.29	0.89	0.31	62.05	5.03	0.38	100.00
February 1, 1922.											
City Proper	19.70	7.63	39.80	7.81	0.32	0.55	0.20	19.73	0.22	0.32	96.28
Charlestown	0.41		11.99	0.08	0.17	0.03	0.03	10.67	0.10	:	23.48
East Boston	2.17	0.89	6.51	0.01	0.10	0.04		22.00	0.63	:	32.35
South Boston	2.51	1.71	17.82	0.78	0.24	0.13		20.58	98.0	1.46	46.09
Roxbury	90.9	5.83	15.23	1.12	0.02	2.69	0.14	58.28	1.57	0.05	91.01
West Roxbury	5.03	7.35	3.63	:	0.09	:	0.32	79.65	3.66	0.36	100.00
Dorchester	4.82	6.83	98.6	1.76	0.25	1.98	0.09	102.92	5.14	80.0	133.73
Brighton	4.80	4.96	0.78	0.08	0.21	:	1.04	33.31	2.99	:	48.17
Hyde Park.		1.44	0.04	0.05	0.25			18.96	14.15	0.24	35.13
Totals	* 45.50	+36.63	‡ 105.66	11.69	1.68	5.42	\$ 1.82	366.10	29.32	2.51	606.33
Per eent	7.50	10.0	17.43	1.93	0.28	0.89	0.30	60.38	4.84	0.41	100.00

Nore.— In the above table the city is subdivided substantially on the boundary lines between the districts as they existed when annexed to Boston. annexed from Brookine is included in eity proper.

* Of this amount 0.02 mile is Unionic.

* Of this amount 0.12 mile is build is blooked. In 5.5 miles is bitulithic, 0.06 mile is Filbertine, 1.18 miles is Simasco, 13.71 miles is Topeka. Of this amount 0.12 mile is sobble, and 40.47 miles is granife blook paving on concrete base.

\$ Of this amount 0.20 mile is Blooke Grantiod concrete blocked pavement and 0.04 mile is Soilamies.

\$ Of this amount 128.03 miles is bituminous macadam.

\$ Of this amount 128.03 miles is bituminous macadam.

\$ 0.06 miles public attreets in charge of Park Department included in this table.

\$ 0.0 miles public attreets in charge of the Commonwealth of Massachusetts included in this table.

In addition to this table there are 1.31 miles of accepted footways.

The following changes in pavement were made during the year:

```
0.01 mile or 224 square yards sheet asphalt changed to asphalt concrete.
  0.00 mile or 15 square yards sheet asphalt changed to Topeka.
  0.01 mile or 105 square yards sheet asphalt changed to granite block.
  0.00 mile or 43 square yards sheet asphalt changed to wood block.
  0.00 mile or 19 square yards sheet asphalt changed to brick.
  0.04 mile or 422 square yards bitulithic changed to sheet asphalt.
  0.00 mile or 29 square yards bitulithic changed to asphalt concrete.
  0.00 mile or 20 square yards bitulithic changed to Simasco.
  0.00 mile or 4 square yards bitulithic changed to Topeka.
  0.01 mile or 152 square yards bitulithic changed to granite block.
  0.00 mile or 16 square yards Topeka changed to wood block.
  0.00 mile or 6 square yards cobble changed to granite block.
  0.00 mile or 65 square yards granite block changed to sheet asphalt.
  0.13 mile or 3,663 square yards granite block changed to asphalt con-
crete.
  0.03 mile or 641 square yards granite block changed to bitulithic.
  0.02 mile or 413 square yards granite block changed to Simasco.
  0.07 mile or 512 square yards granite block changed to Topeka.
  0.66 mile or 13,284 square yards granite block changed to wood block.
  0.04 mile or 766 square yards granite block changed to brick.
  0.00 mile or 8 square yards granite block changed to macadam.
  0.09 mile or 3,437 square yards wood block changed to granite block.
  0.01 mile or 316 square yards plank on bridges changed to granite block.
  0.07 mile or 964 square yards plank on bridges changed to wood block.
  0.01 mile or 132 square yards brick changed to granite block.
  0.01 mile or 197 square yards concrete changed to asphalt concrete.
 0.08 mile or 1,250 square yards Roman Road changed to sheet asphalt.
  1.37 miles or 21,079 square yards macadam changed to sheet asphalt.
 3.28 miles or 71,192 square yards macadam changed to asphalt concrete.
 0.00 mile or 45 square yards macadam changed to bitulithic.
  1.16 miles or 20,195 square yards macadam changed to Simasco.
 2.95 miles or 42,140 square yards macadam changed to Topeka.
 1.05 miles or 115,199 square yards macadam changed to granite block.
 0.01 mile or 615 square yards macadam changed to wood block.
 0.00 mile or 17 square yards macadam changed to brick.
 0.05 mile or 1,713 square yards macadam changed to concrete.
 0.01 mile or 134 square yards gravel changed to sheet asphalt.
 0.60 mile or 9,356 square yards gravel changed to asphalt concrete.
 0.25 mile or 4,021 square yards gravel changed to bitulithic.
 0.41 mile or 7.540 square yards gravel changed to Topeka.
 0.08 mile or 454 square yards gravel changed to granite block.
 0.62 mile or 9,847 square yards gravel changed to macadam.
 0.06 mile or 1,369 square yards not graded changed to sheet asphalt.
 0.08 mile or 5,582 square yards not graded changed to asphalt concrete.
 0.00 mile or 19,788 square yards not graded changed to Topeka.
 0.10 mile or 2,543 square yards not graded changed to granite block.
 0.00 mile or 1,156 square yards not graded changed to wood block.
 0.00 mile or 8,068 square yards not graded changed to macadam.
 0.00 mile or 3,668 square yards not graded changed to gravel.
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Streets laid out or discontinued by the Street Commissioners during the year show:

Sheet asphalt increased 0.08 mile or 1,267 square yards. Asphalt concrete increased 0.00 mile or 547 square yards. Bitulithic increased 0.00 mile or 29 square yards. Topeka increased 0.00 mile or 31 square yards. Granite block increased 0.00 mile or 199 square yards.

Brick increased 0.00 mile or 174 square yards. Concrete increased 0.00 mile or 12 square yards. Macadam increased 0.00 mile or 172 square yards. Gravel increased 0.96 mile or 17,247 square yards. Not graded increased 0.51 mile or 20,961 square yards.

The widening and laying out as a State Highway of Washington street, from the northeasterly line of West Roxbury Parkway to the southeasterly line of La Grange street by the State Department of Public Works, Division of Highways, November 1, 1921, in accordance with Chapter 81 of the General Laws shows:

Not graded increased 0.00 mile or 2,301 square yards.

Corrections on account of revision and other causes show:

Sheet asphalt decreased 0.00 mile or 264 square yards. Bitulithic decreased 0.00 mile or 2 square yards. Topeka increased 0.00 mile or 158 square yards. Cobble increased 0.00 mile or 888 square yards. Granite blocks increased 0.02 mile or 59,353 square yards. Wood block decreased 0.02 mile or 524 square yards. Plank on bridge decreased 0.00 mile or 183 square yards. Concrete increased 0.00 mile or 35 square yards. Macadam increased 0.07 mile or decreased 52,058 square yards. Gravel decreased 0.05 mile or 428 square yards. Not graded decreased 0.04 mile or 1,735 square yards.

Public streets laid out or discontinued by the Street Commissioners during the year show pavements increased 1.55 miles or 40,639 square yards.

The widening and laying out as a State Highway of Washington street from the northeasterly line of West Roxbury Parkway to the southeasterly line of La Grange street by the State Department of Public Works, Division of Highways, November 1, 1921, in accordance with chapter 81 of the General Laws shows pavements increased 0.00 mile or 2,301 square yards.

Corrections to previous measurements on account of revision and other causes show pavements decreased 0.02 mile or increased 5,240 square yards.

Total net increase 1.53 miles or 48,180 square yards.

1859111.50	1878340.39	1886383.55
1871201.32	1879345.19	1887390.30
1872207.40	1880350.54	1888392.72
1873209.24	1881355.50	1889397.84
1874313.90	1882359.85	1890404.60
1875318.58	1883367.99	1891409.60
1876327.50	1884374.10	1892434.59
1877333.20	$1885, \dots 379.60$	1893443.34

. \$9,500 00

1894 44 1895 45 1896 45 1897 45 1898 47 1899 47 1900 48 1901 49 1902 49 1903 49	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	904 905 906 907 908 910 911 912		502 502 510 514 514 521	2.20 2.80 0.04 1.60 4.28 3.63 1.21	1917 1916 1917 1918 1919 1920	5 3 7 3 9 1		.55 .62 .19 .12 .07 .71 .80
LIST OF PERS 1922, AND FOR DEP	ь Esti	MATE							
		Cen	tral ().ffice					
1 automobile		Cent	.700	Jijice	•			\$1,500	00
2 robes .		•		•	•	•	•		00
Office supplies		•	•	•	•	•	٠	500	
Office supplies				•	•		•		
								\$2,020	ΩΩ
								Ψ2,020	00
		Brid	ao S	ornica	,				
5 robes .		Ditt	ye is	ervice	•			\$15	00
	•	•		•	•	•	•	1,600	
2 automobiles		•	•	•		•	•	$\frac{1,000}{2,500}$	
3 auto trucks			•	•			•	7,000	
Supplies, tools	•				•	•	•	7,000	UU
								\$11,115	00
		r on	C.	ervice					
-		ren	$y \bowtie$	rrice	•		0.1	005 000	00
7 ferryboats	:		. •	•	٠			,025,000	UU
Supplies, tools,	machii	iery, e	tc.					28,000	υυ
							\$1	,053,000	00
		Lighti	ing β	Servic	e.				
9,713 lamp post	ts .							\$97,130	00
300 lamp brac	ckets .							300	
1 automobi								200	00
1 robe .								10	00
1 typewrite			Ċ					50	00
1 type wire		•	•	•	•	•	•		
								\$97,690	00
		D	m c C	'america	0				
- 1			ng S	ervic	ϵ .			00.000	0.0
1 large con-								\$2,000	
6 small con								1,500	
3 bitumino	us mixe	ers .						6,000	00
•									

Carried forward . . .

Brought for	ward							\$9,500	00
224 harnesses								$2,\!240$	00
261 blankets								261	00
23 buggies								345	00
12 pungs								240	00
9 sleighs								90	00
23 buggies 12 pungs 9 sleighs 13 jiggers								520	00
23 wagons								920	00
23 wagons 11 street wat	ering	carts	; .					1,375	00
4 road scrap	ers							1,000	
77 dump cart	ts							6,160	
106 horses								26,500	
11 snow level							•	330	
5 section rol							•	200	
11 steam roll	ers	· ·					•	15,400	
							•	320	
860 nieks							•	430	
1 050 shovels	•						•	525	
860 picks 1,050 shovels 8 road mach	inga								
8 outomobil	nnes							2,000	
8 automobil	es							3,600	
1 truck 3 gasolene tr 3 street swee					•			$\frac{250}{2000}$	
o gasoiene u	racto	rs .	,		•		•	3,800	
3 Street swee	eping	macı	nines		٠.			390	00
- Supplies, tools, i	nacnı	nerv.	surv	evin	o ins	trum	ents	* 0.000	0.0
engineers' sup	phes,	etc.						53,000	00
								\$129,396	00
								\$129,396	00
		San	itary	ı Se	rvice				
7 automobiles		San	itary	ı Se		•		\$2,800	00
7 automobiles		San	itary	ı Se	rvice	•		\$2,800 300	00
7 automobiles 1 auto truck 284 horse blanke	ets	San 	itary	ı Se	rvice	•		\$2,800 300 284	00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies	ets	San	itary	ı Se	rvice	• • • • •		\$2,800 300 284 325	00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts	ets	San	itary	ı Se	rvice	• ·		\$2,800 300 284 325 20,200	00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts	ets	San	itary	ı Se	rvice	• • • • •		\$2,800 300 284 325 20,200 121	00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses	ets	San	itary	ı Se	rvice			\$2,800 300 284 325 20,200	00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses	ets	San	itary	ı Se	rvice			\$2,800 300 284 325 20,200 121 4,880 48,000	00 00 00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses 192 horses 98 wagons	ets	San	itary	I Se	rvice			\$2,800 300 284 325 20,200 121 4,880	00 00 00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses 192 horses 98 wagons	ets	San	itary	I Se	rvice			\$2,800 300 284 325 20,200 121 4,880 48,000	00 00 00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses 192 horses 98 wagons	ets	San	itary	I Se	rvice			\$2,800 300 284 325 20,200 121 4,880 48,000 8,820	00 00 00 00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses 192 horses 98 wagons	ets	San	itary	I Se	rvice			\$2,800 300 284 325 20,200 121 4,880 48,000 8,820 210	00 00 00 00 00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses 192 horses 98 wagons	ets	San	itary	I Se	rvice			\$2,800 300 284 325 20,200 121 4,880 48,000 8,820 210 60	00 00 00 00 00 00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses	ets	San	itary	I Se	rvice			\$2,800 300 284 325 20,200 121 4,880 48,000 8,820 210 60 1,880	00 00 00 00 00 00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses 192 horses 98 wagons	ets	San	itary	I Se	rvice			\$2,800 300 284 325 20,200 121 4,880 48,000 8,820 210 60 1,880	00 00 00 00 00 00 00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses 192 horses 98 wagons 21 desks 6 sleighs 94 pungs and si Supplies, tools, re	ets	San	itary	. Se	rvice			\$2,800 300 284 325 20,200 121 4,880 48,000 8,820 210 60 1,880 14,000	00 00 00 00 00 00 00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses 192 horses 98 wagons 21 desks 6 sleighs 94 pungs and si Supplies, tools, re	ets	San	itary	. Se	rvice			\$2,800 300 284 325 20,200 121 4,880 48,000 8,820 210 60 1,880 14,000	00 00 00 00 00 00 00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses 192 horses 98 wagons 21 desks 6 sleighs 94 pungs and si Supplies, tools, r	ets	San	itary	See	Oilin Oilin	•		\$2,800 300 284 325 20,200 121 4,880 48,000 8,820 210 60 1,880 14,000 \$101,880	00 00 00 00 00 00 00 00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses 192 horses 98 wagons 21 desks 6 sleighs 94 pungs and si Supplies, tools, r	ets deighs nachi	San	itary	Se S	oorvice	eg Se		\$2,800 300 284 325 20,200 121 4,880 48,000 8,820 210 60 1,880 14,000 \$101,880	00 00 00 00 00 00 00 00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses 192 horses 98 wagons 21 desks 6 sleighs 94 pungs and si Supplies, tools, r	ets	San	itary	Se S	oorvice	eg Se		\$2,800 300 284 325 20,200 121 4,880 48,000 8,820 210 60 1,880 14,000 \$101,880	00 00 00 00 00 00 00 00 00 00 00 00 00
7 automobiles 1 auto truck 284 horse blanke 13 buggies 202 carts 242 shovels 244 harnesses 192 horses 98 wagons 21 desks 6 sleighs 94 pungs and si Supplies, tools, r	ets deighs machi	San	itary	. Se	ooliin	•		\$2,800 300 284 325 20,200 121 4,880 48,000 8,820 210 60 1,880 14,000 \$101,880 \$2,500 12,900	00 00 00 00 00 00 00 00 00 00 00 00 00

$Brought\ for$	rward								\$15,400	00^{-}
8 buggies									120	
8 buggies 37 street wa	atering	r cai	ts						3,700	00
19 wagons	. '	· .							1,520	
19 wagons 232 harnesse	s .								4,640	
183 horses					·	·			45,750	
183 horses 40 street sw	reenin	o me	chir	ies	•	•	·	•	5,200	
9 flushing	machi	nes		100	•	•	•	•	3,150	
9 flushing 133 push car 1,567 street sw	1114C111	11(1)	•	•	•		•	•	1,330	
1 567 street su	roenin	or bro	· oons	,	•	•	•	•	1,567	
227 shovels	, ecpm	gore	JOHN	· .	•		•	•	418	
837 shovels	•	•	•		•	٠	•	٠	472	
944 picks .	1	1	٠	i	1.:		•	٠		
15 snow plo	ougns	ana	o ro	aqn	naem	nes		٠	2,800	
3 Elgin sti	reet sv	reep:	յոց r	nchi	nes :				12,500	
1 tractor s Supplies, tools	now p	oloug	gh						3,400	
Supplies, tools	i, macl	hine	ry, e	tc.					10,000	00
									\$111,967	00
			Sei	ver S	Servic	e.				
406 picks .			,,,,,						\$203	00
6 outomobil		•		•	•	•	٠	•	$\frac{5203}{1,500}$	
6 automobil	.es		•		•	•				
2 trucks .				٠	•		•		500	
29 horses .	•								7,250	
23 wagons									1,150	
5 buggies									100	
17 carts .									1,360	
47 harnesses									470	
50 blankets									50	00
3 sleighs .									30	00
407 shovels									203	00
Derricks, cen	trifugs	al p	ump	s. d	vnan	nos.	boile	ers.		
engineers' t	cools	mae	hine	rv.	instr	umei	nts a	nd		
supplies, etc									340,000	00
supplies, etc	· .	•	•	•	•	•	•	•		
									\$352,816	00
									\$502,010	00
			117 ~	1 on 9	ervic	0				
			na	iei is					220.000	0.0
11 automobile									\$20,000	
22 horses .									5,500	
26 wagons .									1,300	
$\begin{array}{ccc} 1 \ { m buggy} & . \\ 2 \ { m sleighs} & . \end{array}$										00
2 sleighs .									30	
9 pungs .									180	00
Shovels, picks	and r	nisce	ellan	eous	stoc	k, co	nsist	ing		
of all kinds	and si	zes c	of ire	n wa	ater i	pipe.	mete	ers.		
hydraulic n	achin	erv	boile	ers.	etc.	,			435,000	00
n and an and		~•J,		~, `	•	•	•	•		
Total .									\$462,030	00
I Otai .	•	•	•	•	•	•	•	•	\$102,000	

Real Property in Charge of the Bridge and Ferry Division.— (Bridge Service.)

	ESTIMATED VA	ESTIMATED VALUE OF LAND.	Estimated	Total
LOCATION.	Per Foot.	Total.	Value of Buildings.	Value.
South Boston.				
170 Broadway extension, South Boston; 5,510 feet of land on Broadway extension and Dorchester avenue, on which is a brick building containing an office, workshop and stable; 1,176 square feet of this land is occupied by a convenience station. The equipment was removed to 710 Albany street in 1918.	\$1 00	\$5,500 00	\$24,500 00	\$30,000 00
Location.	Estimat	Estimated Value of Buildings.	lings.	Total Value.
Внольчат Вигрев.				
Draw house and one storchouse	Draw house, \$8	800; storehouse, 8	3200	\$1,000 00
Charlestown Bridge.				
Draw house, electrical power room and six storehouses *	Draw house, \$3	Draw house, \$3,000; power room, \$1,000	п, \$1,000	4,000 00
Chelsea Bridge North.				
Draw house.	Draw house, \$2	Draw house, \$2,500	:	2,500 00
Chelsea Bridge South.				
Draw house, engine house and surface draw house	Draw house, \$2	2,500		2,500 00
Chelsba Street Bridge.				
Draw house	Draw house, \$1			1,800 00

CONGRESS STREET BRIDGE.		
Draw house, storehouse and two shelter houses	Draw house, \$1,000; storehouse, \$100; shelter house, \$500.	1,600 00
Dover Street Bridge.		
Draw house and two shelter houses	Draw house, \$1,000; shelter house, \$500	1,500 00
Dorchester Avenue Bridge.		
Draw houses, tool sheds, two motor houses and one controller house	Draw house, \$1,000; motor houses, \$300: tool house, \$200; controller house, \$25.	1,525 00
GRANITE AVENUE BRIDGE.		
Tool house and controller house. In charge of Granite Avenue Bridge Commission	Tool house, \$100; controller house, \$100	200 00
Draw house and engine house.	Draw house, \$1,000; engine house, \$500	1,500 00
L STREET BRIDGE (Now Called Summer Street).		
Draw house and engine house	Draw house, \$1,000; engine, \$500.	1,500 00
Мацьем Вирав.		
Draw house owned by Boston Elevated Railway Company. Some maintenance charges borne by City of Boston.		
Meridian Street Bridge.		
Draw house and tool house.	Draw house, \$2,500; tool house, \$100	2,600 00
Neponset Bridge.		
Tool house. Control of this bridge taken over by Metropolitan Park Commission October 28, 1918.		
Northern Avenue Bridge.		
Draw house, containing a power room and storage room for compressed air and tool house	Draw house, \$4,500; tool house, \$100	4,600 00
* Five leased to M. P. Coleman for \$2,697 per year, lease expires January 31, 1923.	es January 31, 1923.	

Real Property in Charge of the Bridge and Ferry Division.— (Bridge Service.) — Concluded.

	Estimated Value of Buildings.	Total Value.
Summer Street Bridge over Fort Point Channel. Draw house, controller house, two shelter houses and tool house	Draw house, \$3,000; controller house, \$250; shelter houses, \$500; tool house, \$100.	\$3,850 00
Warren Bridge.		
Stable, draw house, containing an engine room and boiler room and a tool house	200	3,500 00
Warren avenue, between Water street and the railroad, used by Election Department for storage of election booths.		
Western Avenue Bridge to Watertown.		
Tool house	\$200	200 00

Real Property in Charge of the Bridge and Ferry Division.— (Ferry Service.)

	Езгіматер V	ESTIMATED VALUE OF LAND.	Estimated	Total
Location.	Per Foot.	Total.	yatue or Buildings.	Value.
South Ferry, East Boston side, located at the termination of Lewis street. On these premises *33,196 at \$1 are one headhouse with canopies, one workshop for carpenters, machinists and blacksmiths, #4,700 at 2 one storehouse, one coal pocket, three piers which form the two slips, two drops and tanks, *16,579 at 1 one wharf and dock.	*33,196 at \$1 75 †4,700 at 2 00 *16,879 at 1 50 †2,000 at 1 75	\$96,300 00	\$43,000 00	\$139,300 00
South Ferry, Boston side, located at the termination of Eastern avenue. On these premises are one headhouse with canopies, one gate room, three piers which form the two slips and two drops and tanks.	25,500 at 2 00	00 001,100 00	74,900 00	126,000 00
North Ferry, East Boston side, located at the termination of Border street. On these premises are † 18,876 at 2 one headhouse with canopies, one boiler, one coal pocket, three piers which form the two slips *42,262 at 1 and two drops and tanks.	# 42,262 at 1 75	111,800 00	58,000 00	169,800 00
North Ferry, Boston side, located at the termination of Battery street. On these premises are +10.511 at 3 50 one headhouse with canopies, one gate room, three piers which form the two slips and two 434,600 at 2 00 drops and tanks.	† 10,511 at 3 56 * 34,600 at 2 06	00 000'901 00	00 000'69	175,000 00
‡ Eastern avenue, No. 60, adjoining South Ferry Headhouse, Boston side. Upon this lot is a house and office building owned by Patrick J. Connolly.				
* Wharves and docks. † Solid. † Land	rented to Patrick	‡ Land rented to Patrick J. Connolly for \$200 per year.	00 per year.	

Real Property in Charge of the Highway Division.— (Paving Service.)

	ESTIMATED VALUE OF LAND.	UE OF LAND.	Potimotol	
Г.осатом.	Per Foot.	Total.	Value of Buildings.	Total Value.
South Boston.				
Columbia road, corner Hamlin street, lot of land used for storage purposes, containing 6,710 square feet, owned by Frank E. Briggs and rented from Charles F. Mooney, agent.	\$0.25	\$1,800 00		\$1,800 00
350–354 West Second street, stable, shed and office building on land containing 6,000 square feet, rented from M. J. Mahoney.	45	2,700 00	\$1,100 00	3,800 00
Columbia road, corner Douglas street, lot of land used for storage purposes, containing 3,680 square feet, rented from Pauline Lawrence.	0+	1,500 00		1,500 00
East Fifth street, between G and H streets, lot of land used for storage purposes, containing 28,387 square feet, rented from J. J. Sullivan.	30	8,500 00		8,500 00
East Boston.				
East Eagle street, corner Condor street, sheds, stable and office building erected by the city on wharf property, containing 61,636 square feet, owned by Alice M. Coleman and rented for the sum of \$1,800 a year. This property is used jointly with the Sewer, Sanitary, Street Cleaning and Oiling Services and Water Service.*		24,700 00	00 008'9	31,500 00
Charlestown.				
Medford street, foot of Elm street, wharf property containing 44,700 square feet (Sur. Prog. 968), owned by the city. Upon this lot are a shed, stable and office building.	75	33,400 00	8,600 00	42,000 00
Видентом,				
Chestnut Hill avenue, ledge lot containing 569,776 square feet (I. 1,630), purchased in 1882 by the city. Upon this lot are stone crusher, stable, shed and office building and oil plant.	15	79,800 00	5,500 00	85,300 00
West Roxbury.				
Child street, lot of land containing 43,024 square feet, owned by the city. Upon this lot are sheds, stable and office building. (See Sewer Service.)	45	19,300 00	3,500 00	22,800 00
Minton street, near Canterbury street, lot of land containing 14,484 square feet, owned by the city and used for storage purposes.	10	1,400 00		1,400 00
Centre street, rear of 1932, lot of land used for storage purposes, hired for \$180 per year.				

				PUI	BLIC V	V O	RKS	DE	PART	ME	NT.		
	27,000 00	3,300 00	23,700 00				82,800 00	64,000 00	1,189,600 00		80,900 00		21,400 00
	8,000 00		2,000 00				3,800 00	7,300 00	27,500 00		1,000 00		11,500 00
	19,000 00	3,300 00	21,700 00				79,000 00	26,700 00	1,162,100 00		79,900 00	-	00 006'6
	18	8c. and 10c.	00				1 25	06	08		2 49		1 00
, Вовеневтей.	Hancock street, opposite Bowdoin street, lot of land known as the almshouse lot, containing 104,132 square feet, which belonged to the town of Dorchester at the time of annexation. Upon this land are two stables, office, shed and tool house.	Downer avenue, lot of land containing 35,300 square feet, was purchased in 1871 to protect the almshouse lot. (Seven lots.)	Codman street, ledge lot containing 299,000 square feet, was purchased in 1870. Upon this lot are a stable and tool house; 111,423 square feet additional bought by the city in 1907.	Roxbury.	Highland street, lot of land containing 195,129 square feet, owned by the city. Upon this lot is a large brick stable erected in 1873-74 and used by the Sanitary, Street Cleaning and Paving Services; also a brick building used as a blacksmith shop, and a shed for storage purposes: (See Sanitary Service.)	South End.	Albany street, No. 636, opposite Sharon street, wharf lot, containing 63,200 square feet, owned by the city. Upon this lot are stables, office, blacksmith and carpenter shops.	Wharf lot adjoining the above, containing 65,535 square feet, owned by the city and used for storage purposes and receiving station for Sanitary Service. These wharves are owned by the city.	Massachusetts avenue, near Magazine street, lot of land, containing 1,452,628 square feet, rented from New York, New Haven & Hartford Railroad Company and used for storage purposes.	North End.	Commercial street, No. 521, wharf lot, containing 23,667 square feet, owned by the city. Upon this lot is an office building. Building destroyed January 15, 1919, by tank accident.	Нуре Равк.	If yde Park avenue, lot containing 16,541 square feet, owned by the city, used in part by police station. On this lot are an office, stable and shed.

* This price to be increased from March 1, 1920, to \$2,400 a year.

† These estates are only partly occupied by the Paving Service.

Real Property in Charge of the Sewer and Sanitary Division.— (Sanitary Service.)

No mar co I	ESTIMATED VALUE OF LAND.	ďb.	Estimated	Total
LOCATION.	Per Foot.	Total.	Value of Buildings.	Value.
South Boston. H and Second streets, stable and sheds, containing 8,590 square feet. 30c. and 40c., land 8,590 feet	30c. and 40c., land 8,590 feet	\$2,900 00	\$2,500 00	\$5,400 00
Charlesrown. 263 Rutherford avenue. (See Street Cleaning and Oiling Service.)				
DORCHESTER. Victory road (formerly South street), near Freeport street, lot of land taken 37,990 feet valued as part of 78,458 in 1912 for refuse transfer station. Completed January 4, 1913.	37,990 feet valued as part of 78,458 feet at \$0.08	About \$7,600 00	67,000 00	74,000 00
RONBURY.				
Massachusetts avenue and Southampton street, weighing shed, containing about 2,300 square feet of land, leased from the Boston Consolidated Gas Company at \$10 per month.				
Ward street, northerly side, near New York, New Haven & Hartford Railroad, containing 12,500 square feet. (See letter of Street Commissioners, January 6, 1914.)	35,553 square feet at \$0.30	About \$10,700 00	20,000 00	30,700 00
Highland street, formerly almshouse, containing 195,129 square feet. Upon this lot are stable, sheds, carriage house. A part of this stable and lot is used by the Paving Service and Street Cleaning and Olling Service.		78,100 00	51,000 00	129,100 00

				Public	c Works	DEPAR
	143,000 00			164,100 00	248,900 00	108,500 00
	29,000 00			62,500 00	65,000 00	90,400 00
	114,000 00			101,600 00	183,900 00	18,100 00
				\$2.25.	14,150 feet at \$12; 2,800 feet at \$3; 3,800 feet at \$1.50.	
South End.	Albany street, No. 650, containing 90,800 square feet. Upon this lot are stables, buildings, sheds, veterinary hospital, blacksmith, wheelwright, paint and harnessmaker's shops, also a horseshoeing shop used in part by the Street Cleaning and Sewer Service.	Albany street, No. 636, refuse transfer station, which was completed March 21, 1913.*	West End.	North Grove street, stables, sheds, etc., containing 45,132 square feet. On May 11, 1896, a horseshoeing shop was established, used in part by the Street Cleaning and Oiling Service.	North End. Fort Hill Wharf, containing 20,750 square feet and used as a dumping station for the city's garbage and refuse. On this wharf a refuse 3,800 feet at \$1.50.	Spectacle Island. Four parcels of land, containing 266,500 square feet, taken for a refuse destructor site. Upon this site a refuse destruction plant has been erected by the Boston Development and Sanitary Company.

Dee i aving Dei vice.

Real Property in Charge of the Sewer and Sanitary Division.— (Street Cleaning and Oiling Service.)

	ESTIMATED VALUE OF LAND.	LUE OF LAND.	Estimated	Total
LOCATION.	Per Foot.	Total.	value of Buildings.	Value.
South Boston.				
Yard and stable at 124 Old Harbor street, corner of Columbia road, leased by the city from D. W. Creed at \$75 per month.	-			
East Boston.				
Part of stable on East Eagle street. (See Paving Service.)				
CHARLESTOWN.				
Stable at 263 Rutherford avenue, and office building, used in common with Sanitary Service. Stable at 245-249 Rutherford avenue, now occupied under lease for \$600 per year by Timothy F.	09 08	\$22,100 00	\$8,300 00	\$30,400 00
Сапапав. Вохвотк.				
Stable on Highland street. (See Sanitary Service.)				
South End.				
Part of stable at 650 Albany street. (See Sanitary Service.)				
West End.				
Part of stable on North Grove street. (See Sanitary Service.)				
D ОРСИЕВТЕЯ.				
Gibson street, land and buildings containing stable and sheds, used by Sanitary and Sewer Services,		7,400 00	5,000 00	12,400 00

Real Property in Charge of the Sewer and Sanitary Division. — (Sewer Service.)

Госатіом.	Estimated Value of Land.	Estimated Value of Buildings.	Total Value.
South Boston.			
Summer street, underground pumping station.			٠
East Boston.			
East Eagle street, yard and buildings leased from Renton Whidden. (See Paving Service.)			
Western avenue. (See Water Service.)			
West Rombur.			
Child and South streets, yards and building occupied in common with Paving Service. (See Paving Service.)			
Dorchester.	-		
Gibson street, land. (See Street Cleaning Service.) Old Harbor Point, land and buildings, including pumping station, 224 acres: 45,729 square feet, more or less, on the westerly side of Mt. Vernon street, exchanged with the Boston Consolidated Gas Company for 51,000 square feet, more or less, on the easterly side of Mt. Vernon street.	\$196,000 00	\$617,500 00	\$813,500 00
South End.			
* Albany street, No. 678, yard and buildings, 50,000 square feet	66,400 00	4,000 00	70,400 00
Union Park street, corner Albany street, pumping station, containing 4,167 square feet of land	6,300 00	70,000 00	76,300 00
Milton avenue, pumping station.			
Back Bay Fens.			
Gatchouse		12,000 00	12,000 00
Moon Island and Poservoirs. Upland in Squantum, 19.5 acres; upland on Moon Island, 37.65 acres; flats about Moon Island and Squantum, 131 acres.			

* 8,000 feet of this lot formerly used by Lighting Service.

Real Property in Charge of the Water Division. — (Water Service.)

	ESTIMATED VALUE OF LAND.	LUE OF LAND.	Estimated	Total
LOCATION.	Per Foot.	Total.	Value of Buildings.	Value.
East Boston.				
* Eagle Hill reservoir, with a capacity of 5,600,000 gallons. Area of property, 220,875 square feet.	\$0 30	\$66,300 00	\$400 00	\$66,700 00
High service tank, Orient Heights, capacity 122,000 gallons. Area of property, 11,394 square feet	10	1,100 00	5,000 00	6,100 00
CHARLESTOWN.				
Mediord street, corner Tufts street, containing 13,050 square feet. Upon this lot are a workshop and stable.	20	00 002'9	4,000 00	10,500 00
Вазантом.				
Western avenue, lot of land, containing 92,408 square feet. Upon this lot is an office building, workshop and stable. Also used by the Sewer Service.		9,200 00	2,500 00	14,700 00
West Roybury.				
Williams street, Jamaica Plain, Nos. 110-112, land and buildings used as district headquarters, rented from Thomas Minton for \$600 per year.				
Washington street and Metropolitan avenue, lot of land. Area of property, 12,895 square feet	14	1,800 00	2,000 00	8,800 00
D овснеятев,				
Gibson street, in rear of lot occupied by Street Cleaning Service, land and buildings, 3,840 square feet.		1,000 00	1,500 00	2,500 00
Вохвовт.				
Heath and Lawn streets, strip of land containing 5,707 square feet (pipe route)	25	1,425 00		1,425 00

South End.	_	~	_	
Albany street, No. 710, containing 98,100 square feet. Upon this lot are a machine shop, stable	:	91,000 00	117,000 00	208,000 00
Нуре Раяк.				
Fairmount reservoir, with a capacity of 1,500,000 gallons † Fairmount standpipe, with a capacity of 500,000 gallons. Area of property, 114,314 feet	04	5,800 00	15,000 00	20,800 00
Water street, pumping station and lot of land. Area of property, 884,758 feet	02 }	22,100 00	4,000 00	26,100 00
Winthrop street, No. 48. Upon this lot are a building, two sheds and a stable. Leased from the			200 00	200 00
Sprague street, bordering Sprague pond, lot of land containing 16,128 square feet	:	200 00		200 00
Winthrop. Strip of land at Point Shirley containing 7,725 square feet	01	77 25		77 25
Dedaman. Paradise lane, containing 12.5 acres. Upon this lot is a pumping station	:	7,000 00	2,000 00	00 000'6

* Transferred to Park Department, April 5, 1920. † 206,020 square feet in Boston, balance in Milton.

EMPLOYEES.

The following tables show the number of requisitions made on the Civil Service Commission for men; the number appointed, reinstated, died, resigned, discharged and retired; also the grade and number of employees in the department:

issic	on		30
			90
			227
			104
			5
			15
			* 12
			$\overline{2}$
			$5\overline{1}$
			53
		·	8
	•		15
•	•	•	18
•	•	•	11
•	•	•	8
•	•	•	38
		ission	· · · · · · · · · · · · · · · · · · ·

The records of the department show that there are now 3,067 persons eligible for employment in the several divisions and of that number 3,011 were upon the January, 1922, pay rolls.

^{*} Eight of these men were on the eligible list February 1, 1921.

Grade and Number of Employees.

				SER	VICES.					
TITLE.	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Lighting.	Water.	Total.
Commissioner	1									1
Division engineers		1	1			• • • •	1		1	4
Engineers in charge		1	1						2	4
Chief clerk	1					• • • •				1
Clerks	38	12	6	2	1	1	2	1	33	96
Messenger									1	1
Assistant engineers (civil)	1	12	19				9		4	45
Draughtsmen		2	13				5		2	22
Instrumentmen		7	24				5		6	42
Rodmen		8	12				3		1	24
Inspectors		40	41	43	39		3	1	38	205
Foremen		11	4	9	10				13	47
Subforemen		28	3				3		1	35
Investigator			1							1
Addressograph printers]							2	2
Blacksmiths and assistants		7	1	16					3	27
Blueprinters	3									3
Boys	2	1					. .			3
Chauffeurs	1	4	6	3	5		5		11	35
Carpenters and assistants		21	3	3		3	14		5	49
Chief inspectors		1	!		1				1	3
Claim agent	1						ļ			1
Cement testers and assistants	3					 				3
Chemist and assistant		2								2
Coal passers	ļ		8							8
Cashiers		1				1				2
Constable and inspector	 	1		1						2
Drawtenders and assistants						ļ	133			133
Deckhands						26				26
Engineer (gasolene)		1								1
Carried forward	. 51	161	143	77	56	31	183	2	124	828

Grade and Number of Employees.—Continued.

					SERV	ices.				===
TITLE.	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Lighting.	Water.	Total.
Brought forward	51	161	143	77	56	31	183	2	124	828
Engineers (steam)		14	6			12			1	33
Electricians			1			1	1			3
Firemen		9	13			34			1	57
Gatemen			4			15				19
General foremen		1	1		1	1			2	6
Harnessmakers and assistants				8						8
Horseshoers				7						7
Inspector, castings									1	1
Janitors (scrub)						1	1		2	4
Janitresses						7				7
Joiners						4				4
Laborers and helpers		322	73		165	12	2		171	745
Lamplighter						1				1
Machinist and assistants			4			2	1		22	29
Meter testers									8	8
Meter readers									25	25
Masons (stone and brick)			12						1	13
Medical inspectors		1		1	1					3
Oilers			18			10				28
Pipe fitter						1				1
Pavers and assistants		84	1						2	87
Plumbers and assistants				1				 - • • • •	25	26
Painters		2	1	10		3	3			19
Captains						12				12
Quartermasters						12				12
Repairers		ļ							49	49
Roofer	J			 		1				1
Rammers	ļ	16								16
Rigger						1				1
Sealers	ļ								2	2
Sewer flushers			13		 					13
Carried forward	51	610	290	104	223	161	191	2	436	2,068

Grade and Number of Employees.—Concluded.

	Services.									
Title.	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Lighting.	Water.	Total.
Brought forward	51	610	290	104	22 3	161	191	2	436	2,068
Supervisors		1		1			2		1	5
Stenographers	1	2	1					1		5
Stonecutters		16	2							18
Superintendents			1						2	3
Stockkeepers				1		1			2	4
Stablemen		22	4	31	32		1		5	95
Tankman						1				1
Teamsters		60	8	453	209		1		18	749
Telephone operator									1	1
Tollmen						12				12
Toolman		1								1
Veterinarian				1						1
Chief veterinarian		1								1
Watchmen		11	18	11	3		5		12	60
Weighers		1		2						3
Wharfingers		1		4						5
Wharfmen				3						3
Wheelwrights and assistants				6						6
Yardmen		7	4	7	4				4	26
Totals	52	7 33	328	624	471	175	200	3	481	3,067

Comparative Table Showing the Number of Employees Actually Employed February 1, 1921, and February 1, 1922.

	Central Office.	Bridge.	Ferry.	Lighting.	Paving.	Sanitary.	Sewer.	Street Cleaning and Watering.	Water.	Total.
February 1, 1921	43	196	179	3	707	597	330	460	478	2,993
February 1, 1922	44	200	174	3	718	602	324	463	483	3,011

Total Eligible Force.

				ı		1				
February 1, 1921	54	199	174	3	730	627	345	472	491	3,095
February 1, 1922	52	200	175	3	733	624	328	471	481	3,067

Table of Employees Showing Appointments, Transfers, Resignations, Retirements, Deaths, Etc., During the Year.

Died.	Retired Laborers.	Retired Veterans.	Transferred to Other Departments.	Transferred to Other Services.	Resigned.	Discharged.	February 1, 1921.	Services, 1921-22.	January 31, 1922.	Transferred from Other Services.	Transferred from Other Depart- ments.	Reinstated.	Appointed.
1				1			54	Central Office	* 52				
5		1		1		2	199	Bridge	200	3	3		4
3		1		4	3		174	Ferry	175	5	2		5
							3	Lighting	3				
14	8	2		7	12		730	Paving	733	10		2	34
11	3	1	8	14	9		627	Sanitary	624	9	3	1	30
3	2		3	15	9		472	Street Cleaning	471	13	1	1	16
7		1	2	7	8		345	Sewer	328	6	1		1
9	2	2	5	2	10		491	Water	481	5	1		14
5 3	15	8	18	51	51	2	3,095	Totals	3,067	51	11	4	104

^{*} Includes eight Central Office employees who are paid on Water Service pay roll.

PART II.

APPENDICES.

APPENDIX A.

CENTRAL OFFICE.								
Appropriation	\$88,634 20 , to January							
31, 1922								
Unexpended balance transferred to c	ity treasury, \$326_18							
Expenditures.								
Salary, commissioner	\$9,000 00							
Salary, commissioner								
Automobile expenses:								
Wages of chauffeur	\$1,404 00							
Battery	25 19							
Battery	125 00							
Gasolene	407 75							
Storage	144 00							
Repairs	210 70							
Tires and tubes, new and repairs,	260 63							
Sumbles								
Supplies	7 35							
Registration	10 00							
negistration								
Dwinting								
Printing	2,117 23 271 62							
Doctors								
Tolond	148 02							
Stationery	8 90							
Travel expenses, ear fares, etc.	120 05							
Dalton adding machine, repairs .								
Atlases Inspection and repairs to typewriters								
Inspection and repairs to typewriters	85 50							
Books, papers, office supplies, etc.	208 95							
Premium on surety bonds	6 00							
Stenographer's service								
	\$88,308 02							

APPENDIX B.

REPORT OF THE DIVISION ENGINEER OF THE BRIDGE AND FERRY DIVISION.

Boston, February 1, 1922.

MR. THOMAS F. SULLIVAN,

Commissioner of Public Works:

Dear Sir —I respectfully submit the following report of the income, expenditures and operation of the Bridge and Ferry Division for the year ending January 31, 1922. The expenditures of the division in the regular maintenance appropriations of the department were \$917,425.17. Under a number of special appropriations \$970,631.48 was expended, making the total expenditure for the year \$1,888,056.65.

BRIDGE SERVICE.

Apportionment of Cost of Bridges between Boston and Chelsea.— The City of Chelsea has as yet paid nothing toward the maintenance cost of Chelsea Bridge and Meridian Street Bridge.

Cambridge Street Bridge — Allston Bridge (over the Boston and Albany Railroad).— This bridge should be

rebuilt.

Beacon Street Bridge (over the Boston and Albany Rail-

road).— This bridge should be rebuilt.

Chelsea Bridge (over the South Channel of the Mystic river).— Work on the rebuilding of this bridge should be begun this year.

Congress Street Bridge.— This bridge is antiquated, in bad condition, and should be replaced with a new

structure within the next two or three years.

Dartmouth Street Bridge (over the Boston & Albany Railroad).— This bridge should have extensive repairs made to make it safe.

Arlington Street Bridge.

The easterly sidewalk of the Arlington Street Bridge over the Boston & Albany Railroad at Arlington square was rebuilt in March and April of this year. Some of the brackets were replaced by new ones and considerable patching and strengthening was done, new stringers and floor were aid. The steel work was done by the Transit Department force, woodwork and painting by the Bridge Service force.

Ashland Street Bridge.

The contract which was awarded to the Boston Bridge Works and approved by the Mayor, July 6, 1920, for the reconstruction of the superstructure of this bridge was completed July 7, 1921, at a cost of \$54,000.

By the completion of this work a modern steel and concrete bridge, paved with granite blocks and grout jointed, took the place of the old wood and iron bridge.

The new structure is 50 feet wide, with a clear span of 73 feet. Two sidewalks, 6 feet wide, are provided. The new steel deck girders are encased in concrete with a concrete floor slab resting on them. The duct lines for the Boston Elevated Railway and the Edison Electric Illuminating Company are carried underneath the southerly sidewalk encased in concrete. The westerly approach was regraded and paved with granite block, grout jointed down to Hyde Park avenue,

Bennington Street Bridge.

The floor of the northerly section of the Bennington Street Bridge was rebuilt and the steel work supporting the floor strengthened and painted. A contract was made with John B. Dolan for the rebuilding of the floor. This consisted in removing all wooden stringers on the bridge, planking with 3-inch tongued and grooved planking, water-proofing and paving with wood blocks, with asphalt joints. This work cost \$3,047.20. The steel floor beams were strengthened by stiffeners under the stringer bearings and the steel work was cleaned and painted. The steel work and painting was done by day labor forces.

Charlestown and Warren Bridges.

December 6, 1921, W. S. Rendle & Co. was awarded a contract for repairing the fender piers of the Charlestown and Warren Bridges. The face of the draw pier of Charlestown Bridge was repaired by removing vertical planking and placing new wales on the existing piles.

The face of the draw pier of Warren Bridge was

repaired with 6-inch vertical plank.

Capsills, stringers, riders', caps, etc., of the piers were renewed where necessary and some piles refitted and refastened.

The entire pier was replanked and fences erected to restrict the areas to be used in the future to smaller dimensions.

The drawtender's house at Warren Bridge was underpinned and the platform which surrounds it rebuilt.

This work cost \$19,311.67.

Chelsea Bridge North.

The southerly approach to the draw span of the Chelsea Bridge North had settled so low near the draw crack that it was necessary to raise the grade of the street surface to avoid accidents to street railway and vehicular travel. This was done by taking up the granite block paving, raising the curbs with new timber, repairing the under planking and sidewalk planking where necessary and relaying the paving and street railway tracks at the new grades on a deeper sand cushion. The cost of this work was \$3,949.95.

Clarendon Street Bridge.

The construction of the new Clarendon Street Bridge over the tracks of the New York, New Haven & Hartford Railroad and the Boston & Albany Railroad was completed May 7, 1921.

A contract was made with Coleman Brothers, approved on February 9, 1920, for the removal of the old structure over the New York, New Haven & Hartford Railroad, consisting of brick arches and concrete slabs resting on steel I-beams and girders which formed the original foundation for the Back Bay Hotel, the hotel itself being removed by the railroad company prior to the contract. This work was completed May 4, 1920.

A new reinforced concrete abutment was built at the

northerly end of the bridge.

The bridge, 60 feet wide and 131 feet long, was then built utilizing the old piers and abutments which formed the foundation of the Back Bay Hotel for other supports. It consists of three spans. The two easterly spans over the New York, New Haven & Hartford Rai'road are of steel beams encased in concrete; the westerly span over

the Boston & Albany Railroad has two through plate girders with a floor of steel beams encased in concrete. The pavement is granite block with grouted joints; considerable work was required on the southerly approach, consisting of grading and filling. The roadway of the approach was surfaced with asphalt on a concrete base.

The job was done by the John McCourt Company under contract approved May 24, 1920, and was completed May 7, 1921, at a cost of \$115,220.

Columbus Avenue Bridge.

Columbus Avenue Bridge over the Boston & Albany Railroad, a pony truss bridge carrying two roadways, built in 1877 and rebuilt in 1899, has been extensively repaired during the year. The bottom chords of the trusses, the floor beams and sidewalk brackets were patched and strengthened. New stringers and floor plank were laid and some cleaning and painting done. The steel work was done by the Transit Department force, woodwork and painting by the Bridge Service.

Dorchester Avenue Bridge.

On account of decay the westerly sidewalk on the north approach to the draw span collapsed and fell into the channel. This was rebuilt under contract by John P. Cavanagh, with yellow pine underplank and new asphalt surface at an expense to the City of Boston of \$3 924.26.

Dover Street Bridge (over Fort Point Channel).

On June 1, 1921, a bad fire destroyed the two middle girders and several floor beams and stringers of the middle span of the Boston approach to the draw span. In the rebuilding the design was changed to allow for a concrete floor slab instead of the original 6-inch yellow pine plank, on which would be placed the granite block pavement. Two new steel center girders were built and new steel floor beams and steel stringers provided in place of those destroyed. A concrete floor slab is to be laid on the steel stringers; the granite paving block to be recut and laid with an asphalt mastic joint. The wooden platform supporting the water pipes under the bridge is to be removed, and a reenforced concrete slab walk substituted. The wooden formwork around the

Edison conduit is also to be removed. Repairs will also be required to shelf angles and floor beams of the other spans. The work of reconstruction will be completed early in the coming year. The work is being done chiefly by day labor forces of the Transit Department.

A damaged section of the upstream draw pier of this bridge was repaired by driving new piles bringing the face of the pier out 15 inches to a straight line. Both faces of the waterway were repaired, as well as part of

the surface.

W. H. Ellis & Son Company was the contractor. Work was completed December 12, 1921, at a cost of \$2,850.32.

It was found that salt water action on concrete had badly damaged the center draw pier of the bridge. This was repaired by the application of gunite to the eroded portions with a cement gun. Steel reinforcement was placed before the gunite was applied.

The work was done by Maurice M. Devine and

completed November 19, 1921, at a cost of \$2,078.

Navigation lights have been installed on the Dover street draw which is a swinging span. There are four draw lanterns and five pier lanterns fitted with electric lamps wired with double conductor armored cable. The switches are hand operated and located in the operating cabinet. This work was done under contract by Sterns. Perry & Smith for the sum of \$791 and completed December 12.

Hyde Park Avenue Bridge (over Mother Brook).

On September 20, 1921, a contract was approved with the General Construction Company, Inc., for the rebuilding of this bridge. The old steel and wooden bridge is to be replaced by a modern concrete bridge paved with granite blocks. About one half of this work is completed. The estimated cost of doing this work according to the bid is \$11,250.

Massachusetts Avenue Bridge.

Massachusetts Avenue bridge over the Boston & Albany Railroad has been stripped and repaired this year. Bottom chords of the trusses, floor beams, sidewalk brackets and bracing were patched and strengthened where badly deteriorated; the lower part of the

bridge was cleaned and painted and a new wooden floor and sidewalk was laid. The steel work was done by the Transit Department force, woodwork and painting by the Bridge Service, all day labor.

Meridian Street Bridge Draw Span.

On August 2, 1921, a contract with W. H. Ellis & Son Company was approved for cleaning by sand blast and painting the steel work of the draw span of the Meridian Street Bridge. This work was completed September 30, 1921, at a cost of \$2,450.

New Allen Street Bridge, Hyde Park.

The floor of New Allen Street Bridge over the New York, New Haven & Hartford Railroad, Hyde Park was rebuilt by V. Grande, contract approved June 13, 1921.

The new floor was constructed with new yellow pine stringers laid by the New York, New Haven & Hartford Railroad and 3-inch tongued and grooved yellow pine plank with waterproofing and wood block paving with asphalt filler. The cost of the work to the city was \$4,900. Sometime after completion of the contract one of the spans of this bridge was destroyed by fire. It is now closed to traffic pending the rebuilding of the destroyed span by the railroad.

Public Garden Bridge.

The wooden floor of the Public Garden Bridge was removed and a steel and concrete floor was built in its place. The suspension rods which supported the wooden floor were shortened and imbedded in the new concrete floor slab, the effect of this being that while the bridge floor is now a separate unit independent of the old suspension chains, the appearance of the bridge remains practically unchanged.

The work was completed May 2, 1922, by A. Grande, at a cost to the city of \$4,740, the cost being borne by

the Park Department.

Sprague Street Bridge, Hyde Park.

The roadway of this bridge was sheathed with new 2-inch spruce sheathing and the under plank and side-

walks repaired where needed under contract with John P. Cavanagh, approved June 13, 1921. The cost of this work was \$2,422.50.

Warren Bridge.

Bids were received for repairs to the piers and fender guards for water pipes at Warren Bridge (over the Charles river), January 4, 1921. The W. S. Rendle Company was awarded a contract for doing the work at an estimated cost of \$5,762.

Piling was removed, spurshores refitted and new

timber placed where necessary.

The work was completed March 7, 1921, at a cost to the Water Service of \$7,108.03.

West Glenwood Avenue Bridge (over Mother Brook, Hyde Park).

The old wooden floor was removed from this bridge. New stringers were placed, new tongued and grooved yellow pine plank put on them, a layer of waterproofing felt put on this plank and the wearing surface of wood block paving with mastic joints laid on the felt.

This work was done under contract with the John M. McCourt Company, at a cost of \$3,037, and was com-

pleted August 20, 1921.

The steel work of this bridge was cleaned and painted by division forces at the same time.

West Newton Street Bridge (over The New York, New Haven & Hartford Railroad).

West Newton Street Bridge, over the New York, New Haven & Hartford Railroad, is a deck girder bridge consisting of a number of shallow plate girders spaced about 5 feet apart on which a wooden deck is supported. During the year the Edison Illuminating Company which has conduits across the bridge took up a part of the roadway to repair their conduits and it was thought advisable while this was being done to make needed repairs on the girders and stringer seats. Some cleaning and painting was done and a new wooden floor laid. The steel work was done by the Transit Department force, and the woodwork and painting by the Bridge Service.

Drawtenders' Houses.

November 21, 1921. A contract was approved with Joseph E. Somerset for repairing the roofing on the drawtenders' houses at the bridges at Summer street, over Fort Point channel, Dover street, Charlestown, and Summer street over the Reserved channel.

Slate roofs were placed on the houses at Dover street and Summer street, over Fort Point channel; asphalt shingles on Charlestown and on Summer street over Reserved channel.

The work was completed January 9, 1922, at a cost of \$1,789.

Public Landings.

A contract was awarded to George T. Rendle, April 13, 1921, for repairing the decking, planking, mooring gear, knees and hatches and for the entire calking and pitching of the underwater bodies of the pontoons of the public landings located at Summer Street Bridge and Northern Avenue Bridge. The cost of the work was \$1,983.95.

Roxbury Canal.

At the Roxbury Canal the bulkhead in the sanitary yard failed and the walls in the paving yard, sewer yard and City Hospital property were either bulging or had fallen into the canal.

In reconstruction a platform on piles was built, the top of which is at elevation 7.50. At the face of this platform was constructed a masonry wall backed with concrete, the masonry being obtained from the old walls. The coping of the wall in the sanitary yard is of concrete, but elsewhere it is of granite.

In the water yard the existing granite wall was in good condition and a relieving platform on piles was built behind it and the wall anchored to the platform. The cap on this wall was relaid. Fender piles were placed along the entire length of the canal.

The canal was dredged to a depth of from 8 feet to 13 feet at low water. The total length of wall built was about 1,350 feet, and the work was done under contract by the W. S. Rendle Company; completed July 28, 1921, at a cost of \$220,435.41.

A contract was let June 22, 1921, to W. S. Rendle for planking in the sides and ends of the dumping plat-

form of the Sanitary Service at the Roxbury Canal for the sum of \$1,849. There was included in this contract the construction of a galvanized-iron shelter over the hole through which the refuse was dumped. This work was necessary to stop the odors rising from the scows and spreading through the neighborhood.

The Bridge Division has furnished and erected at the City Paving Yard, Roxbury Canal, a 5-ton stiff-leg derrick to replace the old wooden one which had to be removed when the sea wall of the canal was rebuilt.

This derrick is an "Insley" all steel derrick with a boom 70 feet long and swings about 260 degrees. It has a capacity of five tons at its lowest boom and is electrically operated. The hoisting engine is a "Mundy" type with two drums and winch heads and safety device for automatically holding the loads. It is driven by a 35 horse power General Electric motor. The swinging engine is of the same type with a single drum and operated by a 10 horse power motor. Drum controllers and resistance are mounted on the engine frames convenient for one man operating. The plant exclusive of the foundations was furnished and installed by the P. I. Perkins Company, for the sum of \$6,551.

Strandway Beach, Strandway, South Boston.

November 8, 1921, a contract was approved with the D. M. Biggs Company for surfacing the beach on the Strandway at the foot of M and N streets.

This contract also provided for building a concrete wall and steps at the top of the beach with granolithic walks and planting spaces.

The work is about one third completed.

Fireboat Wharf, Northern Avenue Bridge.

August 25, 1921, a contract was approved for the repairing of the fireboat wharf at the Northern Avenue Bridge.

The work was done under the supervision of the division for the Fire Department. New fender piles were driven; caps, stringers and planking were repaired where necessary.

The contractor on the work was W. H. Ellis & Son Company, who completed it September 6, at a cost of \$1,343.40.

Long Island Wharves.

W. S. Rendle was awarded a contract for repairing and strengthening the northwest wharf September 6, 1921.

The runway was entirely replaced. A pump well about 14 feet by 20 feet near the site of the abandoned drop was built and such piles, stringers, caps, chocks and fencing on the wharf as were decayed were replaced.

This work cost \$4,938.66 and was supervised by this

division for the Institutions Department.

The east wharf at Long Island, with the coal pocket and drop, was repaired by contract with George T. Rendle. New piling, planking and stringers were placed on the wharf. The caps under the coal shed were strengthened and repaired, new planking timber and hinges put on the landing drop. The cost was \$16,270.17. The above work was done under the direction of this division for the Institutions Department.

Steamboat "Monitor."

At the request of the Commissioner of Institutions this department drew up specifications for and supervised the work on the steamboat "Monitor."

For a considerable period of time the air pump had not been overhauled, with the result that extensive renewals were required. Both paddle wheels were in such condition that much forging and electric welding was necessary to put the wheels in satisfactory repair. The sanitary pump had become so worn and corroded that a new pump was installed rather than attempting to repair the old one. A few minor incidental repairs were also accomplished.

A contract for the above work was signed on January 12, 1922, by the Richard T. Green Company of Chelsea;

contract price, \$1,991.

FERRY SERVICE.

FERRYBOATS "LIEUTENANT FLAHERTY" AND "RALPH J. PALUMBO."

In June there were launched two steel, four-driveway screw ferryboats for the service, the "Lieutenant Flaherty," built by the Groton Iron Works, Groton, Conn., contract price \$379,950, and the "Ralph J. Palumbo," built by the Winnisimmet Ship Yard, Inc., Chelsea, Mass., contract price \$335,000. Both boats are alike; the subcontractors for the main engines, boilers and auxiliaries furnished duplicate rigs for the two boats. So far as the lines and general contour of the boats is concerned, they were built from the same contract plans.

The principal dimensions of the boats are as follows:

Length over all					174 feet.
Length, outside to outside of	prop	eller	post	s.	146 feet 6 inches.
Beam, extreme over guards					$57 \mathrm{feet}.$
Beam, hull, molded .					$40 { m feet}$.
Depth, molded					15 feet 4 inches.
Draught with water and fue	l				9 feet.

While the general appearance of the two boats is the same as the "John H. Sullivan," there are several essential differences. For vehicles each boat is provided with four driveways. To accommodate pedestrians, there is not only a narrow cabin on either side of the boat extending the entire length of the superstructure, but there is provision made by means of two flights of removable stairs in each cabin for the passengers to ascend to the upper deck; since the upper deck is not protected, only at such times as the weather and circumstances permit will passengers be allowed to ride Because of the ever increasing loads to be carried, the molded beam of the hull has been increased by 18 inches over the "John H. Sullivan" and the upper body of the hull has been carried out full at the ends in order to reduce to a minimum the depressing of the end of the boat when a heavy load goes on or off the end. In anticipation of a coal shortage, there is installed on both these boats an auxiliary fuel oil firing rig for the boilers. To supplement the service of the fire boats, there is connected up and ready for service, on both boats, a 1,500 gallon fire pump furnished with four turret nozzles located at the four corners of the upper deck. On the main engines there has been only one real radical change and that is the use of one common throttle valve instead of two independent valves as on the other screw boats in the service; this was accomplished by a rearrangement of the cylinders. It may be noted that service has fully justified all changes made from other boats running.

"Noddle Island."

On February 24 the rebuilt "Noddle Island" was launched at the yard of the Richard T. Green Company, Chelsea, Mass., contract price \$152,400. The general measurements of the hull are similar to those of the "Lieutenant Flaherty" and "Ralph J. Palumbo," but the boat is built of wood instead of steel. While the hull, superstructure and some auxiliaries are new, the boat cannot be considered a new one in the same sense as the two new steel boats, in that the main engines, boilers, much of the piping, many of the valves and some of the auxiliaries were in the original hull which was built in 1899 by the Lockwood Company.

The boat is provided with four driveways and four small cabins, one cabin at each end of the boat on each

side.

The general arrangement of the main deck, cabins and superstructure are the same as the "General Sumner," the first boat to be changed from a two-driveway

to a four-driveway boat.

The chief difference between the original and the rebuilt "Noddle Island" is the hull. In order to accommodate the heavier loading on the new boat, the molded beam of the hull was increased from about 37 feet to 40 feet and the ends, as on the steel boats, were built very full above the water line. To give further stiffness to the boat, the hull was carried out close to the ends of the main deck, thereby reducing the stresses thrown in the overhanging fantail while the boat is loading and unloading. To further offset the inherent weakness in the ends of the hull, there is fitted around each end a large knuckle beam which not only gives rigidity but distributes widely all stresses from moving loads on the

main deck near the ends. Another feature not common with the other boats is the elimination of the sponson braces under the guards. The value of this item is appreciated in excessively cold weather when large volumes of ice form on these braces and not only cause a greater displacement of the boat but interferes with maneuvering. Again, because the main engines, shaft and propeller are called on to propel a larger boat than they were designed for in the first instance, it was necessary to carefully consider the lines of the hull so that it would not only take care of all loadings but would still be readily maneuvered. For these reasons the lines of the "Noddle Island" are radically different from those of the steel boats; first, in that the "Noddle Island" has a 12-inch keel and, second, in that the midship section has a fairly sharp dead rise carried well out, while the new steel boats have no keel and the midship section is nearly round. To further help in handling the boat, the bottom is sheathed with 22-ounce vellow metal

To date, in spite of the heavier duty on the prime movers, the boat is giving satisfactory service.

"D. D. Kelly" and "General Hancock."

Shortly after the new boats went in commission the "D. D. Kelly," built in 1879, and the "General Hancock," built in 1887, both wooden side wheelers, were sold, the "D. D. Kelly" for \$1,000, the "General Hancock" for \$2,500.

"Hugh O'Brien."

In February there was a contract made with Bertelsen & Petersen Engineering Company to repair the main shaft of the "Hugh O'Brien" which broke without warning about the middle of January; the rough turned shaft was furnished to the contractor by the city. At the same time there were miscellaneous repairs made to the main engine. Contract price for this work \$2,400.

In June a contract was made with the R. Minton Company to install a new type of roadway barrier at either end of the boat. These barriers are essentially chains with springs, suitably housed in the supporting columns located on either side of the roadway, on the ends. These barriers have proved satisfactory. Contract price \$2,000.

In November a contract was made with the Richard

T. Green Company to repair the guards and make some minor repairs to the hull. This work was necessary on account of the sagging of the upstream guard. As the work progressed the local inspectors required further minor repairs. Contract price, \$1,489.

"John H. Sullivan."

In May there was a contract made with the Atlantic Works to repair one crank shaft which had been bent, line up the engine and shaft, readjust and repair the thrust bearings, install a new water service pump and make miscellaneous repairs to piping and valves. Con-

tract price, \$3,974.

While the above repairs were being made, the local inspectors required further repairs made on the hull of the boat. The work consisted of furnishing in place one new rudder pintle bushing repairing one rudder bushing, installing two new sea valve nozzles, furnishing in place twelve new zincs, the driving of about 4,000 rivets and painting the hull. A contract was made with the Atlantic Works to make these repairs for \$3,179.

In July a contract was made with the Atlantic Works to furnish complete two spare propellers, steel castings,

for the boat. Contract price, \$815.

"GENERAL SUMNER."

In January to meet the requirements of the local inspectors a contract was made with the Atlantic Works to make some major repairs to the hull; at the same time there were some minor machine repairs made. The chief items under this contract are the installing of nine new frames under the boilers, the repairing of both bilge and boiler keelsons and the repairing of the main decks at both ends. The contract to make these repairs was taken by the Atlantic Works at \$6,737.

"Governor Russell."

Aside from small minor repairs, which were made by the department force, this boat has required no considerable expenditure to keep it in service. However, owing to the almost continuous running of the boat with the resulting wear and racking, there will probably be some extensive repairs required in the near future.

"Miscellaneous."

In April a contract was made with the Atlantic Works to repair eight bronze propeller blades for \$1,014.

Again in January another contract was made with the

same company to repair seven blades for \$637.

The piers of the North Ferry on the Boston and East Boston sdes were repaired this year under a contract awarded to the W. H. Ellis and Son Co., May 31, 1921. The work done under this contract consisted on the East Boston side, in rebuilding of the north pier of the North Ferry, the repairing of the Coal Shed Wharf, the repairing of the middle pier of the North Ferry, including the rebuilding of the middle pier head which had been broken off during the repairs to the North Slip. On the Boston side the north pier was rebuilt and the middle pier patched. The cost of this work was \$15,809.90.

Lawler Brothers, contractors, were awarded a contract December 5, 1921, for repairing the piers at the Boston

landing of the North Ferry.

A new head was built at the south pier and the piling, girders and planking repaired at a cost of \$3,094.29. The work was completed February 1, 1922.

Respectfully submitted,

John E. Carty, Division Engineer.

BRIDGE SERVICE.

Financial Statement, 1921-22.

TINANCIAD DIATEMEN	11, 1021 22.
Expenditures from Maintena	nce Appropriation.
Boston bridges Boston and Cambridge bridges	97 000 77
Boston and Cambridge bridges	21,999 11
	\$420,588 82
M-1-1 E J:1	
Total Expenditures	
From maintenance appropriation .	\$420,588 82
From special appropriations	298,038 60
	 \$718,627 42
EXPENDITURES ON BOS	STON BRIDGES
	TOTA BILLDOES.
(1.) Administration: Salaries:	
Division engineer	. \$3,750 00
Supervisors	4 996 22
Division engineer. Supervisors Engineers and draughtsmen .	. \$3,750 00 . 4,996 22 . 28,446 22
Clerk	. 28,446 22 . 1,877 19 . 3,124 18
Inspectors	. 3,124 18
Clerk	. 166 69
Pensions:	
Veterans . . \$3,750 Laborers . . . 360	0.00
	4 115 50
Holiday time Vacations Pay to injured employees Printing postage stationery	1,450 75
Vacations	. 1,450 75 . 2,373 01 . 728 00 . 1,589 03
Pay to injured employees	. 728 00
Printing postage stationery	. 1,589 03
Travel Travel Telephones Engineers supplies and instruments Typewriter inspection Office supplies New blueprinting machine	. 219 19
Telephones	. 8 21
Engineers supplies and instruments	s . 120 83 20 50
Office supplies	. 46 25
New blueprinting machine	250 00
row sideprinting indenine	\$53,300 85
(2.) Yard and Stockroom:	
Yard: Clerk, janitor, watchmen	. \$3,822 92
Travel	930.65
Tools	540 50
Tool repairs	540 50 409 82 138 27 38 50
Telephone	. 138 27
Medical service	. 38 50
Tools Tools Tool repairs Telephone Medical service Furnishings Repairing buildings	38 50 13 80 3 20
Repairing buildings	. 3 20 . 24 56
Lumber	111 60
Supplies	\$5,342 82
Carried forward	\$5,342 82
*	

	Brought forward						\$5,342 82
	Stockroom:						ψο,σ12 02
	Stock (lumber, nails :	and s	uppl	lies	for		
	bridges)					\$5,044 64	
	Plus increase in stock					1,117 86	
							6,162 50
							\$11,505 32
(O.)	4 / 12						
(3.)	Automobiles:						
	Division engineer:					@1 000 00	
	Wages of chauffeur	•				\$1,080 00	
	Storage Repairs Supplies	•				180 00	
	Supplies		•		•	524 18 31 47	
	Supplies Oil and gasolene New tires and tubes	•		:		348 82	
	New tires and tubes	•		•	•	195 24	
	Repairs to tires and t	ibes.	•	•	•	5 75	
	New touring car .					1,365 00	
	tow touring our .	•	•	•	•	1,505 00	\$3,730 46
	Supervisor of Bridges:						Ψο, ιου 10
	Wages of chauffeur					\$1,350 00	
	Storage					181 00	
	Storage					$263 \ 46$	
	Supplies					70 39	
	Oil and gasolene .					260 16	
	New tires and tubes					127 88	
	Repairing tubes .					$21 \ 25$	
	Registration .					$12 \ 00$	
							2,286 14
	Auto Truck No. 1:						
	New tires and tubes					\$244 68	
	Storage					76 39	
	Storage Repairs Supplies Oil and gasolene					210 28	
	Supplies					8 00	
	Oil and gasolene	;				393 81	
	Repairing tires and to					10 25	
	Registration .			•		2 00	0.15 43
	Auto Trusk No. 21						945 41
	Auto Truck No. 2:					@1 250 00	
	Wages of chauffeur New tires and tubes	•		•		\$1,350 00 254 91	
	Repairs to tires and to					$\frac{234}{26} \frac{91}{00}$	
	~ * ·					504 93	
					•	266 57	
	Supplies					14 30	
	Hire of automobile	•		•	•	55 00	
	New Ford truck .				•	$402 \ 50$	
	The state of the s					4 00	
					•		2,878 21
	Auto Truck No. 3:						_,0.0 _1
	New tires and tubes					\$91 44	
	Repairs						
	Oil and gasolene.					$\begin{array}{ccc} 273 & 13 \\ 260 & 76 \end{array}$	
	Supplies					$15 \ 25$	
	Storage					40 00	
	New Ford truck .					623 69	
							1,304 27
							\$11,144 49

Repairs on Inland Bridges.

Bridge.	Labor and Materials
Albany street (over Boston & Albany Railroad)	\$2,074 33
Allston street	3,001 59
Ashmont street	178 39
Arlington street	1,086 08
Austin street	338 72
Balson street	21 50
Beacon street (over Boston & Albany Railroad)	193 42
Braddock Park	65 75
Berkeley street	1,699 37
Blue Hill avenue	672 11
Boston street	487 54
Bennington street	335 58
Boylston street	421 32
Blakemore street	259 30
Beacon street (over outlet)	5 00
Columbus avenue	8,379 90
Cambridge street (over Boston & Maine Railroad)	53 75
Commercial point	536 30
Chelsea street (over Boston & Maine Railroad)	12 50
C Street stairway	1,005 73
Central avenue.	790 65
Dartmouth street	634 50
Dorchester avenue (over Old Colony Railroad)	2,219 59
Dana avenue.	356 55
Everett street	766 51
East River street	95
Florence street	193 06
Glenwood Avenue West	281 30
Hyde Park avenue (over Mother brook)	197 00
Hyde Park avenue (over Stony brook)	142 98
Harvard street	24 50
Hyde Park avenue, near Readville station	9 50
Irvington street	282 80
Jones avenue.	7 50
Maverick street	120 29
Carried forward	\$22,914 33

Repairs on Inland Bridges.—Concluded.

Bridge.	Labor and Material,
Brought forward	\$22,914 33
Mystic street	24 00
Milton	2,905 17
Massachusetts avenue (over Providence Division)	5,843 61
Gainsborough street	158 88
Milton street, Hyde Park	$1,252\ 31$
New Allen street	23 50
Oakland street	3,384 49
Perkins street	49 37
Public landing, Northern avenue	2,025 47
Reservoir road	74 73
Sprague street	9 88
Summer street (over A street)	13 12
Summer street (over B street)	40 67
Shawmut avenue	15 50
Southampton street	72 06
Saratoga street	129 45
Sumner street	48 17
Tollgate way	184 19
West River street	67 70
Wordsworth street	146 50
Winthrop	48 00
West Rutland street	160 81
West Fourth street	696 01
Webster street	165 03
West Newton street	2,651 26
Cleaning bridges	2,733 42
	\$49,779 16

Bridges.

Expenditures on Tide Water Bridges

Bridges.	Draw- tenders' Salaries.	Mechanics' Wages.	Material.	Repair Bills.	Supplies.	Total.
Broadway	\$14,299 62	\$174 20		\$273 23	\$423 07	\$15,170 12
Charlestown	19,523 59	1,766 28	\$1,616 02	1,094 61	999 73	25,000 23
Chelsea North	16,350 54	1,516 22	24 64	521 63	728 75	19,141 78
Chelsea South	14,390 29	1,715 45	542 01	183 93	342 73	17,174 41
Chelsea Street	14,404 30	819 53		88 99	360 64	15,673 46
Congress Street	14,864 15	1,557 95	767 08	1,021 48	998 06	19,208 72
Dorchester Avenue	14,301 00	855 35	643 25	698 63	350 26	16,848 49
Dover Street	14,320 46	1,388 40	639 45	3,438 89	330 07	20,117 27
L Street	14,304 02	378 45	240 78	435 55	219 45	15,578 25
Malden	14,765 87	350 92		457 94	580 55	16,155 28
Meridian	14,867 62	1,304 23	489 88	2,881 23	343 37	19,886 33
Northern Avenue	16,262 67	2,466 10	1,980 78	2,226 04	5,402 95	28,338 54
Summer Street	14,563 90	1,322 35		585 67	1,883 33	18,355 25
Warren	14,674 38	2,287 24	468 27	647 23	1,964 75	20,041 87
Western Avenue	31 78		43 45	94 00		169 23
Totals	\$211,924 19	\$17,902 67	87,455 61	\$14,649 05	\$14,927 71	\$266,859 23

Summary	$^{\mathrm{OF}}$	Expenditures.
---------	------------------	---------------

Administration .						\$53,300 8	5
Yard and stockroom						11,505 3	2
Automobiles and truck	S					11,144 4	9
Inland bridges .						49,779 1	6
						266,859 2	3
					_		-
Total					. S	392.589 0	5

BRIDGES, REPAIRS, ETC.

WARREN BRIDGE.

Salaries of engineers				\$718 32	
Inspection .				345 20	
Travel				47 40	
Supplies				19 80	
Vincenzo Grande				54,756 80	
Transit Commission				43 72	
W. S. Rendle Compa	ħΥ			50 58	
Advertising	٠.			7 50	
_					\$55,989 32
Allston Street .				\$1,082 54	•
Arlington Street .				411 91	
A Street Stairway				166 - 51	
B Street Stairway				$524 \ 37$	
				$521 \ 56$	
Carried forward				\$2,706 89	\$55,989 32

Brought forward Berkeley Street Bennington Street Chelsea North Chelsea South Chelsea Street Charlestown Columbus Avenue Dover Street Dorchester Avenue Malden Meridian Massachusetts Avenue New Allen Northern Avenue Sprague Street Summer Street West Glenwood Street West Newton Street							2,227 $3,957$ $4,367$ $4,137$ 154 51 $4,523$ $5,531$ 991 $2,456$ 31 $3,215$	5 63 7 63 4 81 9 98 8 06 7 62 7 70 4 19 7 70 4 19 5 76 6 68 6 60	\$55,989	32
West Newton Street							1,289	94	45.045	z e
									45,945	90
									\$101,934	88
	Нург	е Ра	RK	Ave	NHE	Brid	GE.			_
Salaries of engineers Advertising and print Photographs Engineers' supplies General Construction Travel expense, car fa									\$1,158	29
Advertising and print	ing								68	30
Photographs Engineers' supplies				•					$\frac{20}{40}$	$\frac{00}{20}$
General Construction	$\dot{\mathrm{Com}}$	pan;	V						4,611	$\overline{25}$
Travel expense, car fa	res								4,611	00
									\$5,902	
	D					T)				
						Brid			@1.000	0
Execution of court Rebuilding bridge									\$4,000 660	
8										
									\$4,660	00
	Λs_1	HLAN	o S	TREE	ет В	RIDGE	·.			
Salaries of engineers								٠.	\$419	
Inspection				•					$\frac{300}{25}$	00 85
Stationery									25 4 503	95
Repairs									503	70
Boston Bridge Works									54.000	00
Salaries of engineers Inspection Travel expense Stationery Repairs Boston Bridge Works Paving Service			•		٠				1,019	70
									\$56,274	
	D	O 1777	. C.	DETO	. Dn	than				_
Salaries of engineers				REE!	· DR	IDGE.			\$743	61
Inspection									69	04
Supplies									507	$\frac{35}{15}$
W. H. Ellis & Sons Co.	mm	D37	•	٠	٠				507 4,807 703	40
Travel expense	шра		•						5	80
Transit Commission									10,274	94
Paving Service .									20	00
Salaries of engineers Inspection Supplies A. C. Harvey W. H. Ellis & Sons Co Travel expense Transit Commission Paving Service Repairs					•				507 4,807 703 5 10,274 20 185	94
									\$17,317	

Si	ea W	ALL,	Етс	., R	OXBU	RY	Canz	L.		
Salaries of engineers										\$2,037 71
		•								759 44
Inspection . Travel expense .										76 70
W. S. Day-Ha Campu										82,739 29
W. S. Rendle Compa Advertising and post	my									23 86
Advertising and post	age									12 10
Printing and statione	ery								٠	
Paving Service .	٠					٠				2,34597
W. H. Ellis & Son Co										723 88
Engineers supplies										21 29
Material Sewer Service										682 55
Sewer Service .										18 63
P. L. Perkins .										5,289 93
P. L. Perkins . Transit Department										309 18
1										
										\$95,040 53
	С	HELS	SEA I	Brid	ge S	OUT	H.			
Salaries of engineers										\$2,936 11
Advertising			•	•			•	•	•	13 20
Engineers supplies	•	•			•	٠			•	9 48
Advertising Engineers supplies Postage				,					•	11 16
Postage										30 86
Printing and statione Commonwealth of M	ery	1	LL T			c xir.			1	50 50
Commonwealth of M	assae	nuse	etts L	IVIS	on o	I W a	terw	ays a	na	0.00
Public Lands Travel expense .										$\frac{200}{100}$
Travel expense .										139 31
										00.410.40
										\$3,142 12
STRAND	WAY	AND	Ord	HA	RBOI	3 IM	PROV	EME	νт.*	
Salaries of engineers										\$226 29
Advertising										11 50
Engineers supplies D. M. Biggs & Co.										35 80
D. M. Biggs & Co.										13,493 75
										\$13,767 34
4	O.	m		1		100	1 00			
Amount paid into th	ie Cit	y Tr	easui	y di	ırıng	192	1-22	0010	20	
Labor and material	iurnis	sned						\$216		
Rents, Charlestown	Bridg	ge.						2,921		
Warren Bridge repai	rs .						12	2,548	70	
•							_			\$15,686 65

^{*\$45,055.59} expended by Sewer Service.

SUMMARY. Expended from Special Appropriations in Charge of Bridge Service.

	Balances from 1920.	Total Credits Including Balance Carried Over.	Expended During Year 1921.	Balance Unexpended January 31, 1922.
Bridges, repairs, twenty-four bridges	\$28,753 79	\$131,302 49	\$101,934 88	\$29,367 61
Hyde Park Avenue Bridge		20,000 00	5,902 04	14,097 96
Brookline Avenue Bridge	713 91	4,660 00	4,660 00	
Ashland Street Bridge	63,567 49	63,567 49	56,274 15	7,293 34
Dover Street Bridge		40,000 00	17,317 54	22,682 46
Sea wall, etc., Roxbury Canal	109,492 69	189,492 69	95,040 53	94,452 16
Chelsea Bridge South	14,867 54	14,867 54	3,142 12	11,725 42
Totals	\$217,395 42	\$463,890 21	\$284,271 26	\$179,618 95

LIST OF BOSTON BRIDGES.

I.— BRIDGES WHOLLY MAINTAINED BY BOSTON.

[In the list those marked with an asterisk (*) are over navigable waters, and are each provided with a draw.]

In Charge of Bridge and Ferry Division.

Allston, over Boston & Albany Railroad at Cambridge street, Brighton.

Arlington street, over Boston & Albany Railroad.

Ashland street, over New York, New Haven & Hartford Railroad, Providence Division, West Roxbury.

B street (footbridge), over Neponset river, Hyde Park.

Baker street, at Brook Farm, West Roxbury.

Beacon street, over outlet from Back Bay Fens.

Beacon street, over Boston & Albany Railroad.

Bennington street, over Boston, Revere Beach & Lynn Railroad.

Berkeley street, over Boston & Albany Railroad.

Blakemore street, over New York, New Haven & Hartford Railroad, Providence Division.

Boylston street, over Boston & Albany Railroad.

Braddock park, formerly Berwick park (footbridge), over New York, New Haven & Hartford Railroad (Providence Division).

Broadway, over Boston & Albany Railroad.

* Broadway, over Fort Point channel.

Brookline avenue, over Boston & Albany Railroad.

Brooks street, Brighton.

Byron street, over Boston, Revere Beach & Lynn Railroad.

Charlesgate, in Fens, over Ipswich street.

* Charlestown, from Boston to Charlestown.

* Chelsea South (temporary), over south channel, Mystic river.

* Chelsea street, from East Boston to Chelsea.

Columbus avenue, over Boston & Albany Railroad.

Commercial Point, or Tenean, Dorchester.

* Congress street, over Fort Point channel.

Dana avenue, over Neponset river, Hyde Park.

Dartmouth street, over Boston & Albany Railroad.

* Dorchester avenue (formerly Federal street), over Fort Point channel.

* Dover street, over Fort Point channel.

Fairmount avenue, over Neponset river, Hyde Park.

Florence street, over Stony brook, West Roxbury.

Gainsborough street (footbridge), over New York, New Haven & Hartford Railroad, Providence Division.

Glenwood Avenue East (footbridge), over Neponset river, Hyde Park.

Glenwood Avenue West, over Mother brook, Hyde Park.

Gove street (footbridge), over Boston & Albany Railroad, East Boston.

Huntington avenue, over Boston & Albany Railroad.

Huntington avenue, over Stony brook, Hyde Park.

Hyde Park avenue, over Mother brook (at woolen mill), Hyde Park.

Hyde Park avenue, over Stony brook, West Roxbury.

Hyde Park avenue, over Stony brook (near Clarendon Hill Station), Hyde Park.

Ipswich street, in Fens, over waterway.

Irvington street (footbridge), over New York, New Haven & Hartford Railroad, Providence Division.

Jones avenue (footbridge), over New York, New Haven & Hartford Railroad, Midland Division.

* Malden, from Charlestown to Everett.

Massachusetts avenue, over Boston & Albany Railroad.

Massachusetts avenue, over New York, New Haven & Hartford Railroad, Providence Division.

* Meridian street, from East Boston to Chelsea.

Metropolitan avenue (near Clarendon Hills Station), Hyde Park.

Neptune road, over Boston, Revere Beach & Lynn Railroad.

Newburn street, over Stony brook, Hyde Park.

* Northern avenue, over Fort Point channel.

Shawmut avenue, over Boston & Albany Railroad and New York, New Haven & Hartford Railroad, Providence Division. Southampton street, over South Bay sluice.

Summer street, over A street.

Summer street, over B street.

Summer street, over C street.

* Summer street, over Fort Point channel.

* Summer street, over Reserved channel, South Boston.

Tollgate way (footbridge), over Providence Division, from Washington street to Hyde Park avenue, Forest Hills. Walworth street, over New York, New Haven & Hartford

Walworth street, over New York, New Haven & Hartford Railroad, Providence Division.

* Warren, from Boston to Charlestown.

West Newton street, over New York, New Haven & Hartford Railroad, Providence Division.

West River street, over Mother brook, Hyde Park.

West Rutland square (footbridge), over New York, New Haven & Hartford Railroad, Providence Division.

Wordsworth street (footbridge), over Boston, Revere Beach & Lynn Railroad, East Boston.

In Charge of Bridge and Ferry Division and Park and Recreation Department.

.Columbia road, over New York, New Haven & Hartford Railroad, Old Colony Division.

Columbia road, over Shoreham street.

In Charge of Park and Recreation Department.

Agassiz road, in Fens.

Audubon road, in Riverway, over Boston & Albany Railroad.

Berners street (footbridge), over Bridle path in Riverway.

Boylston street, in Fens, over waterway.

Bridle path, in Riverway, over Muddy river.

* Castle Island (footbridge), in Marine Park, South Boston, to Castle Island.

Charlesgate, in Fens, over Boston & Albany Railroad.

Circuit drive, over Scarboro pond, in Franklin Park. Commonwealth avenue, in Fens, over waterway.

Cottage Farm, over Boston & Albany Railroad, at Common-

Cottage Farm, over Boston & Albany Railroad, at Common-wealth avenue.

Ellicott Arch, Franklin Park.

Fens, in Fens.

Forest Hills entrance, in Franklin Park.

Leverett pond (footbridge), in Olmstead Park.

Norfolk street Playground (footbridge), over Midland Division, New York, New Haven & Hartford Railroad.

Public Garden (footbridge).

Scarboro pond (footbridge), in Franklin Park.

Wood Island (footbridge), in Wood Island Park.

II.— BRIDGES OF WHICH BOSTON MAINTAINS THE PART WITHIN ITS LIMITS.

In Charge of Bridge and Ferry Division.

Central avenue, from Dorchester to Milton.

* Chelsea North, from Charlestown to Chelsea.

Milton, from Dorchester to Milton.

Paul's Bridge, over Neponset river, Hyde Park.

Spring street, from West Roxbury to Dedham.
* Western avenue, from Brighton to Watertown.

Winthrop, from Breed's Island to Winthrop.

In Charge of Park and Recreation Department.
Bellevue street, in the Riverway, over Muddy river.
Berners street (footbridge), over Muddy river.
Brookline avenue, in the Riverway, over Muddy river.
Hungtington avenue, in the Riverway, over Muddy river.
Longwood avenue, in the Riverway, over Muddy river.

III.— BRIDGES OF WHICH BOSTON PAYS A PART OF THE COST OF MAINTENANCE.

In Charge of Bridge and Ferry Division.

Albany street, over Boston & Albany Railroad (over freight tracks).

Ashmont street and Dorchester avenue, over New York, New Haven & Hartford Railroad, Old Colony Division.

Belgrade avenue, over New York, New Haven & Hartford Railroad, Providence Division.

Harvard street, over New York, New Haven & Hartford Railroad, Midland Division.

Morton street, over New York, New Haven & Hartford Railroad, Midland Division.

Norfolk street, over New York, New Haven & Hartford Railroad, Midland Division, near Dorchester station.

Pleasant street, over the subway.

In Charge of Commissioners for Boston and Cambridge Bridges.

Anderson Bridge, from Brighton to Cambridge. Brookline street, from Brighton to Cambridge.

Cambridge, from Boston to Cambridge.

* Cambridge street, from Brighton to Cambridge.

* Harvard, from Boston to Cambridge.

* Prison Point, from Charlestown to Cambridge.

* Western avenue, from Brighton to Cambridge.

In Charge of Commmissioners for Granite Avenue Bridge.

* Granite avenue, from Dorchester to Milton.

IV.—Bridges of Which Boston Maintains the Whole or a Part of the Wearing Surface.

In Charge of the Bridge and Ferry Division.

Austin street, over Boston & Maine Railroad, Charlestown.

Babson street, over New York, New Haven & Hartford Railroad, Midland Division, near Blue Hill Avenue station.

Bennington street, over Boston & Albany Railroad.

Blue Hill avenue, over New York, New Haven & Hartford Railroad, Midland Division.

Boston street, over New York, New Haven & Hartford Railroad, Old Colony Division.

Brookline street, Brighton, to Cambridge, portion over Boston & Albany Railroad.

Cambridge street, Charlestown, over Boston & Maine Railroad. Chelsea, over Boston & Maine Railroad.

Curtis street, East Boston, over Boston & Albany Railroad.

Dana avenue, over New York, New Haven & Hartford Railroad, Midland Division, Hyde Park.

Dorchester avenue, over New York, New Haven & Hartford Railroad, Old Colony Division.

Everett street, over Boston & Albany Railroad, Brighton.

Fairmount avenue, over New York, New Haven & Hartford Railroad, Midland Division, and Station street, Hyde Park.

Glenwood Avenue West, over passageway connecting land of the New York, New Haven & Hartford Railroad, Hyde Park. Harrison avenue, over Boston & Albany Railroad. Hyde Park avenue, over proposed electric connection between Midland and Providence Division, New York, New Haven & Hartford Railroad, Hyde Park.

Maverick street, East Boston, over Boston & Albany Railroad.
Milton street, Hyde Park, over New York, New Haven & Hartford Railroad.

Mystic avenue, over Boston & Maine and Boston & Albany Railroads.

New Allen street, Hyde Park, over New York, New Haven & Hartford Railroad.

Oakland street, over New York, New Haven & Hartford Railroad, Midland Division, Mattapan.

Perkins street (footbridge), over Boston & Maine Railroad.

Porter street, over Boston & Albany Railroad.

Prescott street, over Boston & Albany Railroad.

Redfield street, at Neponset, over New York, New Haven & Hartford Railroad, Old Colony Division.

Reservoir road, Brighton, over Boston & Albany Railroad, Newton Branch.

Saratoga street, over Boston & Albany Railroad.

Saratoga street, over Boston, Revere Beach & Lynn Railroad, East Boston.

Southampton street, over New York, New Haven & Hartford Railroad, Old Colony Division.

Sprague street, over New York, New Haven & Hartford Railroad, Midland Division, and branch of Providence Division, Hyde Park.

Summer street, over New York, New Haven & Hartford Railroad, Midland Division.

Sumner street, East Boston, over Boston & Albany Railroad. Webster street (footbridge), East Boston, over Boston & Albany Railroad.

West Fourth street, over New York, New Haven & Hartford Railroad, Old Colony Division.

V. — Bridges Maintained by Metropolitan District Commission, Park Division.

* Charles River Dam.

Mattapan, over Neponset river.

* Neponset, from Dorchester to Quincy.

North Beacon street, from Brighton to Watertown.

VI. — Bridges Wholly Maintained by Railroad Corporations.

1st.— Boston & Albany.

Albany street (over passenger tracks).

Market street, Brighton.

Tremont street.

Washington street.

2d.—Boston & Maine and Boston & Albany Railroads.
Main street.

3d.—Boston & Maine Railroad, Eastern Division.

Wauwatosa avenue, East Boston.

4th.— Boston, Revere Beach & Lynn Railroad. Everett street.

5th.— New York, New Haven & Hartford Railroad, Midland Division.

Athens street.

Bolton street.

Dorchester avenue.

East River street, at River Street Station, Hyde Park.

Gold street.

Silver street.

Washington street, Dorchester.

West Broadway.

West Second street.

West Third street.

West Fourth street.

West Fifth street.

West Sixth street.

6th.— New York, New Haven & Hartford Railroad, Old Colony Division.

Adams street.

Cedar Grove Cemetery.

Medway street.

Savin Hill avenue.

7th.— New York, New Haven & Hartford Railroad, Providence Division.

Albany street.

Arlington square.

Baker street, West Roxbury.

Bellevue street, West Roxbury.

Berkeley street.

Broadway, South Boston.

Canterbury street, West Roxbury.

Centre and Mt. Vernon streets, West Roxbury.

Columbus avenue.

Dartmouth street.

Gardner street, West Roxbury.

Harrison avenue.

Park street, West Roxbury.

Washington street. West street, Hyde Park. West River street, Hyde Park.

VII.— Bridges Maintained by the United States Government.

* Victory Bridge (over Neponset river), from Dorchester to Quincy.

RECAPITULATION OF BRIDGES.

	RECATTORATION OF DRIDGES.		
I.	Number wholly maintained by Boston: In charge of Bridge and Ferry Division In charge of Bridge and Ferry Division and Park and Recreation Department In charge of Park and Recreation Department ment In charge of Park and Recreation Department	64 2 18	84
II.	Number of which Boston maintains the part within its limits: In charge of Bridge and Ferry Division In charge of Park and Recreation Department	7 5 —	12
III.	Number of which Boston pays a part of the cost of maintenance: In charge of Bridge and Ferry Division In charge of Commissioners for Boston and Cambridge Bridges In charge of Commissioners for Granite Avenue Bridge	7 7 1	15
IV.	Number of which Boston maintains the whole		10
V.	or a part of the wearing surface Number maintained by Metropolitan District		34
	Commission		4
VI.	Number maintained by railroad corporations: 1. Boston & Albany Railroad	4	
	2. Boston & Maine and Boston & Albany		
	Railroads	1	
	vision	1	
	4. Boston, Revere Beach & Lynn Railroad,	1	
	5. New York, New Haven & Hartford Railroad, Midland Division	13	
	6. New York, New Haven & Hartford Railroad, Old Colony Division	4	
	7. New York, New Haven & Hartford	4	
	Railroad, Providence Division	16	78
			10

	PUBLIC WOL	RKS	DEI	PARTME	NT.	113
VII.	Number maintained Government .					1

Total number					190

Table Showing the Widths of Channelways for Vessels in all Bridges Over Navigable Water in the City of Boston in January, 1921.

	<u> </u>					
Name of Bridge.	Location.	Number of Channelways.		Wi	idth	
* Anderson	Brighton to Cambridge	1	45	feet	0 i	nches.
Boston Elevated Railway	Boston to East Cambridge	1	45	4	0	u
Boston Elevated Railway	Charlestown to Everett	1	75	u	0	u
Boston & Maine Railroad, Eastern Division.	Boston to Charlestown	1	39	u	8	u
Boston & Maine Railroad, Eastern Division.	Over Miller's river	1	35	u	0	u
Boston & Maine Railroad, Fitchburg Division.	Boston to Charlestown	1	36	u	0	u
Boston & Maine Railroad, Fitchburg Division (for teaming freight).	и и	1	36	u	7	u
Boston & Maine Railroad (freight), Southern Division.	Boston to East Cambridge	1	40	u	0	и
Boston & Maine Railroad (passenger), Southern Division.	u u	1	39	и	8	u
Boston & Maine Railroad, Western Division.	Boston to Charlestown	1	39	4	4	и
Boston & Maine Railroad, Western Division.	Over Miller's river	1	35	u	6	и
Broadway	Over Fort Point channel	1	50	u	0	4
† Brookline street	Brighton to Cambridge	1	40	"	0	u
† Cambridge	Boston to Cambridge	1	50	u	0	и
Cambridge street	Brighton to Cambridge	1	36	4	6	4
Charles River Dam (lock)	Boston to East Cambridge	1	45	4	0	4
Charlestown (main channel)	Boston to Charlestown	2	[50	4	0	u
Charlestown (north channel)	" "	2	49	4	9	4
Chelsea (north channel)	Charlestown to Chelsea	2	125	4	0	"
Chelsea (south channel)	и и	1	49	14	0	*
Chelsea street	East Boston to Chelsea	1	60	и	0	и
Congress street	Over Fort Point channel	1	50	и	0	u
Dorchester avenue	4 4	1	41	и	3	4
Dover street		1	40	"	6	"

^{*} Drawless channelway; clear headroom of 12 feet above basin level (about elevation 8.0). † Drawless channelway; clear headroom of 28 feet above basin level.

Table Showing Widths of Channelways, etc.—Concluded.

Name of Bridge.	Location.	Number of Channelways.		Width.			
Grand Junction Railroad	Brighton to Cambridge	1	39	feet	3 i	nches.	
Grand Junction Railroad	East Boston to Chelsea	1	60	4	0	u	
Granite avenue	Dorchester to Milton	1	50	4	0	u	
Harvard (Boston side)	Boston to Cambridge)	2	∫36	u	7	и	
Harvard (Cambridge side)	u u}	2	37	и	0	u	
Malden	Charlestown to Everett	1	75	4	0	u	
Meridian street	East Boston to Chelsea	1	100	и	0	u	
Neponset (temporary)	Dorchester to Quincy	1	38	и	5	u	
New York, New Haven & Hartford Railroad.	Over Fort Point channel	1	41	и	8	ш	
New York, New Haven & Hartford Railroad, Plymouth Division.	Dorchester to Quincy	1	51	и	0	и	
* North Beacon street	Brighton to Watertown	1	45	"	0	и	
Northern avenue	Over Fort Point channel	2	75	и	3	и	
Prison Point	Charlestown to Cambridge	1	37	и	4	u	
Summer street	Over Fort Point channel	1	50	"	0	u	
Summer street	Over Reserved channel, South Boston.	1	39	и	3	а	
Victory	Dorchester to Quincy	1	50	"	0	и	
Warren	Boston to Charlestown	1	36	и	0	u	
Western avenue	Brighton to Cambridge	1	36	и	0	u	
Western avenue	Brighton to Watertown	1	36	u	0	и	

^{*} Drawless channelway; clear headroom of 12 feet above basin level (about elevation 8.0).

Bridge Openings.

Da	2	Steamers.		SAILIN	Sailing Vessels	SELS.		Тосв.		В	Barges.		ALI	Ац Отневв	RB.	Tota of	TOTAL NUMBER OF VESSELS.	8. 8.	Number Cargoes.	Number Openings.
	ay.	Night. 7	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day. N	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.		
Broadway	61	10	71	119	-60	122	1,959	64	2,023	246	22	568	592	13	605	3,277	112	3,389	683	1,163
Charlestown	<u>:</u> :		:	62	က	82	1,625	114	1,739	450	63	513	620	189	808	2,774	369	3,143	663	1,107
Chelsea North	936	2.2	1,013	152	က	155	8,232	329	8,561	1,282	99	1,348	2,354	100	2,454	12,956	595	13,531	1,979	5,490
Chelsea South	× :	:	œ	48	ಣ	51	3,238	224	3,462	132	61	134	1,937	129	2,066	5,363	358	5,721	1,439	2,283
:	09	31	9.1	60	23	ů	1,743	712	2,455	241	130	371	1,141	238	1,379	3,188	1,113	4,301	826	2,324
G Congress street 17	178	25	203	130	ಣ	133	3,726	172	3,898	695	38	733	975	32	1,007	5,704	270	5,974	824	2,880
Dorchester avenue	46	4	20	124	23	126	1,973	72	2,045	578	18	296	612	29	641	3,333	125	3,458	632	1,816
Dover street	48	ಣ	51	119	က	122	1,951	09	2,011	595	18	613	585	22	607	3,298	106	3,404	199	1,508
* L street	30	7	37	69	8	72	2,243	59	2,302	234	14	248	1,680	93	1,773	4,247	176	4,423	262	2,912
Malden	11	1	12	15	:	15	803	36	833	132	6	141	364	80	444	1,375	126	1,501	238	927
Meridian	585	93	675	59	9	65	6,494	903	7,397	276	139	915	2,998	340	3,338	10,909	1,481	12,390	1,645	7,340
Northern avenue 64	040	247	887	131	က	134	5,446	103	5,549	753	14	292	2,145	85	2,227	9,115	449	9,564	1,797	4,106
Summer street	148	11	159	124	ಣ	127	3,656	160	3,816	693	30	723	1,042	80	1,122	5,663	284	5,947	993	2,977
Warren	12	12	24	20	r.	75	1,578	88	1,667	489	44	533	617	184	801	2,766	334	3,100	640	1,835
Totals 2,76	760	521	3,281	1,242	42	1,284	44,667	3,097	47,764	7,596	209	8,203	17,662	1,611	19,273	73,969	5,878	79,847	13,971	38,738

* New Summer Street over Reserved channel.

ELEVATION AND DATUM PLANES REFERRED TO BOSTON CITY BASE.

- *0.00 Boston city base. This base is used by the towns of Brookline and Watertown and the cities of Chelsea, Everett, Malden, Newton and Waltham.
- -4.98 Cambridge city base.

+0.64 Somerville city base.

0.00 Metropolitan Park Commission base.

+0.64 State Department of Public Works, Division of Waterways and Public Lands.

0.00 Metropolitan Water Board base.

-100.00 Metropolitan Sewerage Board base.

-100.00 Boston Transit Commission base. -100.00 Charles River Commission base.

- 15.45 Old bench mark, on coping of old dry dock at Charlestown Navy Yard.
- 15.11 New bench mark on coping of old dry dock at Charlestown Navy Yard, northwest end over crowfoot.

5.00 Piles to be cut off for building.

- 12.00 Minimum cellar bottom elevation when not waterproofed.
 - 9.82 South Boston base. Formerly in use, now abandoned.
- 0.00 Mean low water about 1830.†

+0.34 Mean low water, 1867.†

- +0.79 Mean low water, 1902.†
- +0.58 Navy Yard base, 1902.†
 - 10.63 Mean high water, 1902.†
 - 5.71 Mean sea level, 1902.†
 - 9.84 Mean rise and fall of tide, 1902.†

^{*}Definition of Boston city base: "Boston city base is a datum plane 15 feet above the average height of the sill of the Charlestown dry dock." (Page 552, report of Committee on Charles River Dam, 1903.)
† John R. Freeman, civil engineer, in report to Committee on Charles River Dam, 1903 pp. 562, 569, 570.

HIGHEST RECORDED TIDES.

Feet.

15.62 April 16, 1851, average of seven observations North Market street and vicinity, leveled on in 1854 by Charles Harris, Surveying Division n. b. 22, p. 54 (15.10 above mean low water, United States Coast Survey Chart of Boston Harbor, 1857).

15.64 December 26. 1909, average of twenty-nine observations, on waterfront, Nut Island, to Deer Island, elevations determined in most cases by John H. Edmonds, before January 1, 1910, from points put in for that purpose, 1902 to 1905.

15.50 December 26, 1909, actual elevation at North Ferry, Boston proper, as observed on staff gauge, at high water.

From comparison of contemporary diary and newspaper accounts the only tide of this class prior to 1851, found by John H. Edmonds, was that of February 24, 1722–23, which was in all probability about 16.00.

The following tidal records may be of interest:

High Tides.

Plane of Reference, Boston City Base.

FEET.	Date.	When Taken.	By Whom.
16.00 15.62 15.74 14.15 14.94 13.72 14.19 13.60 14.83 14.70 14.70 11.90 13.50 13.90 14.62 14.62 14.62	Feb. 24, 1722-23, April 16, 1851. April 16, 1851. Jan. 23, 1898. Nov. 27, 1898. Nov. 8, 1900. Nov. 25, 1901. Dec. 14, 1902. Jan. 25, 1905. Jan. 25, 1905. Jan. 25, 1905. Dec. 26, 1909. Dec. 26, 1913. Nov. 20, 1914. Jan. 13, 1915. Jan. 13, 1915. Nov. 7, 1919.	By comparison. Average of 7 observations. Navy Yard, staff gauge. Charlestown Bridge and East Boston Ferries, Average of 15 observations. Malden Bridge. Average of 10 observations. Average of 11 observations. Average of 34 observations. Inner harbor, 10 observations. North Ferry, Boston proper. North Ferry, Boston proper (p. m.) North Ferry, Boston proper. Malden Bridge. North Ferry, Boston proper. Granite Avenue Bridge. North Ferry, East Boston side.	Charles Harris. Isaac Williams.

Low Tides.

-3.50 Feb. 1, 1900 Deer Island, metropolitan sewer station Self-recording ga -2.94 Feb. 3, 1900 South Boston station, Edison Electric D. A. Harrington -3.00 Feb. 4, 1904 Deer Island, metropolitan sewer station Self-recording ga -3.00 Mar. 23, 1905 Deer Island, metropolitan sewer station Self-recording ga

FERRY SERVICE.

The following steam ferryboats are in commission.

2110 10110 11118	5 2000011 1011	J 10 0 CC 10 CC 1			
Name. Hugh O'Brien Governor Russell Noddle Island General Sumner John H. Sullivan Lieutenant Flaherty Ralph J. Palumbo		Type. Side Wheel Propeller " " " " " "	10 16 16	Ton 75 ft. 3 in. 64 " 3 " 64 " 3 " 64 " 3 " 72 " 3 "	oss nage, 645 713 710 703 826 727 755
FINANCIAL STATE		не Year 9 22 .	Ending	January	31,
	1. Re	eceipts.			
Total cash receipt Cash in hands of t	s during the	year .	year .	\$104,457 200	
				\$104,657	92
Cash paid over to Cash in hands of 31, 1922			,457 92 200 00	\$104,657	
2.	Appropriation	ns and Exp	enditu r e	:S.	
Received from ar Service . Received by trans Unexpended balan February 1, 192	nnual appropries for from Bridges from spec	riation for lge Service ial approp	r Ferry	\$501,856 3,106	95
East Boston Ferry Ferryboat "Nodd Ferryboats, repair	le Island''			* 843,399 100,323 3,359	38
Total approp over . Total expendi	riations and tures	balances 	carried	\$1,452,045 1,180,386 \$271,658	
Unexpended bala appropriations, Transferred to (maintenance ap	January 31, 1 city treas	922, \$263, ary	531 73	271,658	90

^{*\$500,000.00} authorized in 1920 but not issued until 1921.

3. Result of Operations for the Year.

		\$104,457 92
#40C 02C	25	
\$490,000	99	
29,795	00	
29,419	75	
222	79	
339	32	
8,204	92	
		* 564,818 13
		* #460 260 01
	•	* \$460,360 21
	\$496,836 29,795 29,419 222 339 8,204	\$496,836 35 29,795 00 29,419 75 222 79 339 32 8,204 92

^{*} Does not include expenditure for special appropriations.

4. Balance Sheet.

End of Fiscal Year, January 31, 1922.

	`		
Амитм.		LA VEILITIES.	
AVAILABLE ASSETS: Cash in hands of tollmen at close of year Inventory of supplies, viz.:	\$200 00	Current Liabilities: None.	
Fuel			
Rents receivable	27,308 70		
Total available assets	\$27,696 55		
CONTINGENT ASSETS: City Treasury	263,531 73	CONTINGENT LIABILITIES: Appropriations account	\$262,531 73
Fixed Assers: Real estate, land and buildings ¹ . Ferryboats ³ . Machinery, tools, etc.	² 610,100 00 1,024,067 76 2,005 11	BILITIES: of the city invested i expenditures of all years, including in	
Total tangible assets	\$1,927,401 15	debt\$16,617,996 93 Less total receipts	
of the ferries for sixty-four years to date	7,181,218 04		8,845,087 46
	\$9,108,619 19		\$9,108,619 19
Original purchase	\$276,375 00 607,523 64 5,562 52 10,000 00	² Assessors' figures. ³ Total cost to date, per ferry books\$1,636,885 15 Less tosts sold, depreciation or destroyed	15 39
6688	\$899,461 16	\$1,024,067 76	76

Comparative Balance Sheets at the Close of Each Year for Five Years.

	January 31, 1918.	January 31, 1919.	January 31, 1920.	January 31, 1921.	January 31, 1922.
Assets.					
Cash, balance on hand					
Cash, tollmen's capital	\$200 00	\$200 00	\$200 00	\$200_00	\$200 00
Rents receivable	100 52	113 54	137 87	146 20	187 85
Fuel and supplies in stock	7,238 24	14,436 34	19,950 60	35,852 94	27,308 70
City Treasurer (balance of appropriation)		27,280 67	27,904 00	947,082 35	263,531 73
Ferryboats (less depreciation)	196,455 67	184,668 33	173,588 23	379,450 27	1,024,067 76
Machinery and tools	2,772 00	2,605 72	2,475 44	2,227 90	2,005 11
Real estate, land and buildings (assessors' valuation)	610,100 00	610,100 00	610,100 00	610,100 00	610,100 00
Total tangible assets	\$816,866 43	\$839,404 60	\$834,356 14	\$1,975,059 66	\$1,927,401 15
Cost of avenues, etc., East Boston (previous to 1870) ¹	315,815 68	315,815 68	315,815 68	315,815 68	315,815 68
Deficiency of assets (loss)	5,094,074 27	5,477,858 89	5,878,459 23	6,395,570 42	6,865,402 36
Totals	\$6,226,756 38	\$6,633,079 17	\$7,028,631 05	\$8,686,445 76	\$9,108,619 19
Capital invested by City of Boston to date	\$6,226,756 38	\$6,605,798 50	\$7,000,727 05	\$7,739,363 41	\$8,845,087 46
Appropriations account (credit balances)		27,280 67	27,004 00	947,082 35	263,531 73
Total liabilities	\$6,226,756 38	\$6,633,079 17	\$7,028,631 05	\$8,686,445 76	\$9,108,619 19

Details of Capital Invested by the City of Boston.

Total expenditures to date per ferry books	\$13,331,024	31	\$13,800,322	33	\$14,202,449 7	5	\$ 15,113,454	44	\$16,309,053	08
Interest of debt for the year (per City Auditor)		00	6,063	00	5,428 5	0	15,211	67	29,795	00
Interest previous years, etc. (net debits, per City Auditor)	279,148	85	279,148	85	279,148 8	5	279,148	85	279,148	85
Total expenditures	\$13,618,168	16	\$14 ,085,534	18	\$14,577,027 1	0	\$15,407,814	96	\$16,617,996	93
Deduct total receipts paid to City Collector	7,391,411	78	7,479,735	68	7,576,300 0	5	7,668,451	55	7,772,909	47
Excess expenditures, capital	\$6,226,756	38	\$6,605,798	50	\$7,000,727 0	5	\$7,739,363	41	\$8,845,087	46
	1	- 1				j				

¹ Included in deficiency of assets in Table 4.

Comparison of Receipts, Appropriations and Expenditures for Five Years.

	1917–18.	1918-19.	1919–20.	1920-21.	1921–22.
Receipts.					
From foot passengers (tollmen). " foot passes (office sales). " extra passengers on teams (gatemen). " team tickets (office sales). " strip team tickets (tollmen). " eash fares for teams (gatemen).	\$39,690 86 513 80 1,710 71 2,977 50 23,001 00 23,304 45 1 00	\$37,548 30 509 30 1,514 59 3,625 50 19,525 00 24,223 99	\$42,285 00 402 80 1,586 24 3,107 50 20,266 50 27,813 19	\$37,926 79 423 80 1,546 34 2,519 50 17,151 00 30,518 14	\$41,876 31 282 20 1,740 60 1,892 50 16,147 00 37,735 60
From rents. " old material sold. " other sources.	\$91,199 32 514 03 84 35 618 83	\$86,947 68 533 83 290 50 551 89	\$95,462 23 539 67 562 47	\$90,086 57 553 27 280 78 1,230 88	\$99,675 21 547 35 116 86 * 4,118 50
Total ordinary receipts	\$92,416 53	\$88,323 90	\$96,564 37	\$92,151 50	\$104,457 92
Office: Division engineer's salary (part) † General foreman and cashier ‡ Clerks † Clerks † Clerks † Clerks † Clerks † Clerks † Retired veterans' pensions Retired employees' pensions Medical inspector (part) Stationery Printing Telephones Advertising Car fares Postage Premiums, surety companies	\$1,250 00 4,253 88 904 23 4,645 58 3,754 16 132 72 1,263 78 2,1263 78 56 50 6 00 8 84	\$1,250 00 4,288 44 663 34 5,373 07 3,301 36 83 33 1,862 75 1,662 75 2,00 57 45 86 24 86 24	\$1,250 00 4,370 91 5,612 79 2,997 27 83 34 1,150 33 2,35 38 1,150 33 2,35 38 1,4 00 86 52 86 52	\$1,250 00 4,700 38 1,070 85 5,257 47 5,325 47 2,335 64 83 33 1,653 24 2,79 32 60 15 87 15 87 15 87 15	\$1,250 00 4,786 60 1,123 36 5,442 26 2,160 00 83 33 1,713 44 2,71 09 1,713 44 2,74 40 83 33 90 75 90 75 85 60
Total, office expenses	\$16,700 62	\$17,048 35	\$17,011 22	\$17,075 52	\$17,398 68

Ferryboats and landings: Employees (wages). Fuel. Teaming, weighing coal, etc. Supplies. Oils Gas. Electr light Towing teams by clectric motors. Repairs of buildings, piers and drops. Furnishings. Other excenditures §	\$196,363 38 90,250 62 3,830 57 9,124 69 1,971 79 577 66 3,560 16 208 02 21,643 48 10,473 68 529 37 529 37	\$199,927 52 103,113 31 3,826 51 9,824 27 2,133 96 2,133 96 3,261 80 32,652 84 20,130 00 834 95 834 95	\$241,580 23 86,839 87 4,140 88 11,266 18 2,320 57 1,185 88 3,401 15 342 66 40,362 22 27,191 26 816 87	\$278,218 04 130,594 17 3,937 52 9,992 80 2,481 66 2,483 3127 83 3,127 83 82,796 80 41,607 73 330 26 1,950 45	\$287,056 64 84,725 66 3,538 17 11,480 09 2,450 00 1,301 87 3,171 49 26 65 26 55 27,133 95 24,599 46 24,599 46 3,410 71	
Total from regular annual appropriations	\$355,480 17	\$393,783 69	\$436,687 75	\$574,754 54	\$496,836 35	
Expenditures from Special Appropriations. East Boston Ferry improvement, etc. Ferryboats, repairs, etc. Ferryboat, "Noddle Island". Auxiliary lighting plant.	123 05	67,719 33	49,376 67	156,600 71 24,544 32 59,676 62	582,783 16 2,013 25 98,754 21	
Total expenditures, regular and special	\$355,603 22	\$461,503 02 ¶ 29,605 02	\$486,064 42 27,904 00	\$815,576 19 947,082 35	\$1,180,386 97 263,531 73	
Regular annual appropriations. Transfers from other sources Ferry landings, repairs. East Boston Ferry, improvements, etc. Ferryboats, repairs, etc. Ferryboat, "Noddle Island".	\$342,348 31 5,801 43 112 17	\$388,619 50 13,141 86 95,000 00	\$424,248 94 12,438 81 50,000 00	\$492,607 43 \$2,901 97 1,000,000 00 160,000 00	\$501,856 57 3,106 95	
	\$355,490 17	\$491,108 10	\$486,687 75	\$1,735,509 40	\$504,963 52	
* Includes \$2,500 received from sale of ferryboat "General Hancock" and \$1,000 from sale of ferryboat "D. D. Kelly."	cock" and \$1,000	from sale of ferry	ooat "D. D. Kell	y."		

↑ Remainder paid by Bridge Service.
 ↓ Included in employees (wages after February 1, 1916, in office books.
 ↓ Includes in pair of coal carts, analysis of coal, medical attendance, report of coal expert, photographs, expressage, expert's services, derrick hire, gas for heating purposes and cause, analysis of coal, medical attendance, report of coal expert, photographs, expressage, expert's services, derrick hire, gas for heating purposes and cause, and Ferry Division applied to "Ferry Service" and transfers from other appropriations.
 ¶ \$2,324,41 of this amount transferred to City Treasury.

Total Expenditures Upon Ferries Since 185	58=59.	
Expenditures for avenues, paving, interest, etc. previous to the purchase of the ferries by the	,	
eity Purchase of ferries April, 1870 Expenditures for ferryboats since April, 1870 Expenditures for new buildings, piers, drops, etc. Expenditures for tools and fixtures (prior to	\$444,101 276,375 1,636,885 607,523	$\frac{00}{15}$
1910) Expenditures for land from Lincoln's Wharf in		
1887	5,562 $10,000$	
Total expenditures on capital account Expenditures for repairs of all kinds Expenditures for fuel Expenditures for salaries and wages Expenditures for all other purposes	\$2,995,200 1,675,023 2,208,442 7,532,893 2,206,438	25 03 17 41
Total Receipts from Ferries Since 1858	=59.	
Receipts from rents, etc., previous to purchase of ferries	\$29,588 7,462,060 68,980 152,567 29,178 30,734	48 04 44 10
Total receipts from all sources Less amount with tollmen as capital	\$7,773,109 200	
Total receipts, per auditor's figures	\$7,772,909	47
REGULAR ANNUAL (ORDINARY) AND SPECIAL AP (EXTRAORDINARY) OF THE FERRY SERVICE F ENDING JANUARY 31, 1922.	PROPRIATION OR THE YEA	NS AR
Appropriations (regular) for the year ending January 31, 1922	\$501,856 \\ 3,106 \\	
Amount of expenditures (regular) for the year .	\$504,963 \\ 496,836 \\ 3	
Unexpended balance to City Treasury .	\$8,127	17

SPECIAL APPROPRIATIONS.

East Boston Ferry, Improvements, Etc.

Unexpended balance February 1 Expenditures from February 1, 1 Labor, engineering Traveling expenses Telegrams and telephones Amount paid to R. Minton Co Labor and materials used in board reconstructing pass deck wash, emergency fire	921, to Janua 	ry 31, 1922: \$3,615 82 1,250 82 3 90	\$843,399 29
feed, circulating pumps, et Amount paid to Fay, Spofford for professional services for	& Thorndike	645 38	
supervision of new ferrybo Amount paid to Winnisimmet Inc., under contract for h ferryboat "Ralph J. Palun accepted September 23, 19 Contract price Extra work: Build barrier gates with housed springs and swivel posts instead	t Ship Yard, building steel mbo." Boat 921:	7,750 00	
of type called for, at an agreed price of	950 00		
agreed price of	975 00		
Less amount paid in 1920 .	\$336,925 00 67,000 00	269,925 00	
Amount paid to Groton Iron Works under contract for building steel ferryboat "Lieutenant Flaherty." Boat accepted Aug. 19, 1921:		200,020 00	
Contract price	\$379,950 00		
of type called for, at an agreed price of	950 00		
	\$380,900 00		
Less amount paid in 1920 . \$75,990 00 Less amount retained to			
satisfy claims, 5,317-76	81,307 76	299,592 24	582,783 16
Unexpended balance January 31,	1922		\$260,616 13

Etc.	
Repairs,	
Ferryboats,	

	\$3,359 68	2,013 25	\$1,346 43	\$100,323 38				98,754 21	\$1,569 17
		\$13 25			\$62.75	3,533 58		95,157 88	
		d on barriers			\$3,500 00 \$3 58	\$152,400 00 896 28 200 00 1,750 00	\$155,246 28 500 00	\$154,746 28 59,588 40	
i city boars, hepails, the.	Unexpended balance February 1, 1921 . Expenditures from February 1, 1921, to January 31, 1922:	Advertising Amount paid to R. Minton Company under contract for work done and materials furnished on barriers and gatesforferryboat "Hugh O'Brien." Contract price	Unexpended balance January 31, 1922	Ferryboat "Noddle Island." Unexpended balance February 1, 1921. Expenditures from February 1, 1921, to January 31, 1922:	Traveling expense Amount paid to Kearfott Engineering Company, Inc.: Two (2) steering engines 4½ x 4½ drum type Freight charges	Amount paid to Richard T. Green Company under contract for repairs and renewals to double screw ferryboat "Noddle Island," (Work completed July 25, 1921.) Contract price Extra work on boilers Extra work repairing four (4) piston rods Two (2) new tail shafts	Less amount retained	Less amount paid in 1920	Unexpended balance January 31, 1922

Statement Showing Receipts at Each Ferry. $North\ Ferry.$

FROM TOLLMEN.	Foot Passengers.	From Tickets.	Totals.
Boston side	\$10,379 28	\$3,548 50	\$13,927 78
East Boston side	9,544 00	4,829 00	14,373 00
Totals	\$19,923 28	\$8,377 50	\$28,300 78
From tollmen	ers at 1		\$28,300 78
cent	cis ac i	\$790 30	
For cash fares for teams		17,769 01	18,559 31
Total at North Ferry			\$46,860 09
So	outh Ferry.		
FROM TOLLMEN.	Foot Passengers.	From Tickets.	Totals.
Boston side	\$11,387 81	\$4,245 00	\$15,622 81
East Boston side	10,565 22	3,534 00	14,099 72
Totals	\$21,953 03	\$7,779 00	\$29,722 53
From tollmen From gatemen:			\$29,722 53
For 95,030 foot passeng	gers at 1	\$950 30	
cent			
For cash fares for teams		19,966 59	20,916 89
Total at South Ferry			\$50,639 42
North and South Ferries . Tickets paid for at ferry of Received in lieu of free fer	fice ries July 4,	 1921	\$97,499 53 2,174 70 1 00
Total from rates Rents for the year Sale of boats "D. D. Kelly"	and "Gener	al Hancock,'	\$99,675 23 522 35 3,500 00
			\$103,697 56

$Brought\ forward\ .$				\$103,697 56
Sale of old material				116 86
Headhouse privileges				400 00
Care of public telephone booth	S			48 00
Commissions on public telepho				100 50
Kearfott Engineering Company				70 00
Hygienic Coin Lock Company				$\frac{10}{25} \frac{00}{00}$
Trygreine Com Lock Company				
Total receipts for the year				\$104,457 92
STATEMENT OF TRAVEL ON TH	F	EDDI	ng From	FEDDELARY 1
				•
1921, to January	31, 1			
			lorth Ferry.	South Ferry.
Foot passengers at 1 cent each			2,071,358	
Foot passenger by ticket			$23,\!888$	
Foot passengers free			1,523	2,956
Total foot			2,096,769	2,298,491
		=		
One-horse teams, light motor tr	ucks	3,		
pleasure carriages and runab	outs	,	224,788	244,043
Two-horse pleasure carriages, l			,	
and touring cars			159,002	140,789
Two-horse teams and motor tr	ucks	١,	164,552	
Three-horse teams and heavy n			, , , ,	,
trucks			407	1,198
Four-horse teams			1,537	
Handcarts, etc			2,065	,
Drag wheels		•	2,000	
Free teams, hacks and motor	770		O	O
1 . 1	· VC		11,868	10,590
hicles			11,000	10,000
			564,219	546,428
			,	

MOTOR VEHICLE TRAFFIC (AS PER REPORTS OF CAPTAINS). February 1, 1921, to January 31, 1922, included in above figures.

	North Ferry.	South Ferry.	Total.
Runabouts	43,338	46,857	90,195
Touring cars	1 176,719	² 146,504	323,223
Trucks	³ 142,444	4 173,921	316,365
Total	362,501	367,282	729,783

¹ Includes 6,527 free.

² " 4,765 "

³ " 3,701 "

⁴ " 3,790 "

Total, 18,783 free.

Total paying foot passengers Total foot passengers .				$\substack{4,390,781\\4,479}$
Total foot passengers car	rie	l.		4,395,260
Total paying teams Total free teams				1,088,189 22,458
Total teams carried .				1,110,647

Total Travel on Both Ferries from February 1, 1915, to January 31, 1921.

	1916–17.	1917-18.	1918 19.	1919-20.	1920 -21.	1921-23.
One-horse teams *	582,819	577,507	500,193	494,372	437,254	468,831
Two-horse teams †	291,795	308,564	306,672	330,023	314,109	309,529
Three-horse teams	4,723	3,538	3,471	4,372	4,105	1,605
Four-horse teams	6,640	7,089	7,598	4,542	3,774	4,311
Two-horse carriages, hacks ‡	94,333	110,203	132,743	173,821	226,742	299,791
Two-cent tolls, hand carts, etc	1 3,537	3,570	3,265	4,935	5,224	4,122
Dragwheels, etc	1		8	6	1	
Paid teams at both ferries	983,848	1,010,471	953,950	1,012,071	991,209	1,088,189
Free teams at both ferries	12,067	15,177	21,708	17,447	16,650	22,458
Total teams at both ferries,	995,915	1,025,648	975,658	1,029,518	1,007,859	1,110,647
Foot passengers paid	4,631,244	4,191,410	3,952,673	1 ,424,773	3,987,785	4,390,781
Foot passengers free	1,763	846	2,820	4,500	3,305	4,479
Total foot passengers	4,633,007	4,192,256	3,955,493	4,429,273	3,991,090	4,395,260

Note: The above team travel includes automobiles.

^{*} Includes one-seat automobiles. † Includes motor trucks. ‡ Includes two-seat automobiles.

APPENDIX C.

REPORT OF THE DIVISION ENGINEER OF THE HIGHWAY DIVISION.

Mr. Thomas F. Sullivan,

Commissioner of Public Works:

Dear Sir,— I submit herewith a statement of the activities, operations and expenditures of the Paving and Lighting Services for the year ending January 31, 1922.

The maintenance expenditures of the Highway Divi-

sion for the year were as follows:

Lighting Service Paving Service	е				\$722,091 55 1,287,913 15
Total					\$2,010,004 70

Paving Service — General Plant.

The asphalt mixing plant at Brighton has been called on to supply other than its own section due to the removal of the Dorchester plant from Hancock street. Hot bituminous mix has been furnished Dorchester, Roxbury and West Roxbury, and part of the West End district for surfacing and patching. The nine steam rollers were overhauled and repaired and have been very active in resurfacing extensive areas of bituminous macadam during the year. Several of these steam rollers will not be servicable for another year, the state inspectors finding it necessary to reduce the steam pressure on account of the age and defective condition of the boilers.

The horses, one hundred six in number are in fair condition. I would recommend that no additions be made and that light trucks be purchased for the Paving Service.

The department forces have been very active resurfacing with bituminous macadam in the several districts of the city, some one hundred forty streets having been so treated during the year, exclusive of the ordinary

macadam repairs, repairs to paved streets, etc.

Early in the spring construction was resumed on twenty-four streets under contract and uncompleted from 1920. Contracts were awarded in 1921 to construct or repave forty-six streets and thirty-five of them were completed, leaving eleven to finish in 1922.

About 100,000 square yards of granite block pave-

ment was laid on the following streets:

Washington street, from Archdale road to 75 feet south of Corinth street; Dudley street, from Alexander street to Stoughton street; Albany street, from Broadway to about 75 feet south of Troy street; Friend street, from Union street to Causeway street; Portland street, from Hanover street to Causeway street; Richmond street, from Hanover street to Atlantic avenue; Public Alley 909, from Massachusetts avenue to Hemenway street; Fargo street, from B street to C street; Clarendon street, from Stuart street to bridge over Boston & Albany Railroad; Stanhope street from Morgan street to Trinity place; Columbus avenue, from Tremont street across Centre street; Dorchester avenue, from Park street to Ashmont street; Charles street, from Beacon street to Cambridge street.

About 93,000 square yards sheet asphalt and asphalt

concrete laid on the following streets:

Cushman road, from Dustin street to Glencoe street; Centre street, from Allandale street to South street: South street, from Centre street to about 270 feet easterly; Market street, from Washington street across Western avenue; Arlington street, from Market street across Leicester street; Halifax street, from South Huntington avenue to Pond View avenue; Oriole street, from Bellevue street to Emmons road; Columbus avenue from Centre street to Walnut avenue; Seaver street, from Blue Hill avenue to Columbia road; Chelsea street from Maverick street to Day square; Bremen street from 230 feet northeast of Mayerick street to Porter street; Huntington avenue, from Gainsborough street to Hemenway street; West Newton street, from Tremont street to Shawmut avenue; Pontiac street, from Tremont street to Hillside street; Imrie road, from Cambridge street to Allston Playground; Melton road, from Wallingford road to Colonial road; Thorndike street, from Commonwealth avenue to Brookline line: Chestnut Hill avenue, from Commonwealth avenue to Beacon

street; Beacon street and Chestnut Hill avenue, from Brookline line to Brookline line.

About 10,000 square yards of bitulithic pavement

were laid on the following streets:

Dorchester street, from East and West Broadway to East and West Eighth street; Brenton street, from Glenway street to Greenwood street; Whitten street, from Dorchester avenue to Althea street.

About 70,000 square yards of Topeka pavement were

laid on the following streets:

Hyde Park avenue, from Metropolitan avenue to River street; Babcock street, from Commonwealth avenue to Boston & Albany Railroad; Cummington street, from Commonwealth avenue to Boston & Albany Railroad; Belgrade avenue, from Anawan avenue to Centre street; Beech street, from West Roxbury Parkway to Belgrade avenue; Centre street, from South street to Spring street; Arbutus street, from Blue Hill avenue to Irma street; River street, from bridge over Providence Division Railroad to across Everett square; Centre street, from Forbes street to Boylston street; Green street, from Call street to Centre street.

About 12,000 square yards of wood block pavement were laid on Washington street, from Beach to Kneeland

streets.

The number of lamps in use lighting the streets during the past year were:— 9,713 single mantle gas; 143 fire alarm gas; 5,416 magnetite arcs; 4,711 Tungsten incandescent. Total, 19,983, as compared with 19,889 for 1920.

Yours respectfully,

James H. Sullivan, Division Engineer.

HIGHWAY DIVISION — LIGHTING SERVICE.

FINANCIAL STATEMENT.

Expenditures, February 1, 1921, to January 31, 1922. Electric Lighting:

Electric Lighting:				
Arc.				
Edison Electric Illuminating				
Company	\$397,782	18		
Company				
Company	23,528	63		
			\$421,310	81
In can descen	<i>t</i>			
Edison Electric Illuminating				
	\$83,303	Q 4		
Company	 ത്ത്യാഗാ	04		
Componer	21	19		
Charlestown Gas and Electric	21	12		
Company fire alarm lamps .	85	22		
Company me arann ramps .			83,410	20
Gas Lighting:			00,410	23
Boston Consolidated Gas Com-				
	\$195,651	10		
pany	\$190,001	10		
	10,607	2.1		
Company	10,007	OI		
Company fire alarm lamps .	399	ΩΩ		
Company me alarm lamps .	555		206,657	4.1
Salaries and Wages:			200,001	1.1
Division Engineer (part of)	\$1,250	00		
Clerk	1,976			
Stenographer and clerk.	1,346	28		
Lighting inspector	1,550	00		
Pensions	360	00		
Tensions	300		6,483	20
Automobile Expenses:			0,100	
Gasolene, oil, etc	\$183	03		
Ford automobile (net cost)	405			
Registration	10			
Shoes and tubes, new and repairs,	83			
Supplies	18			
Repairs	158			
Storage	66			
Diorago			925	25
•				
$Carried\ forward\ .$			\$718,786	99
carrotte jorteura		•	,	

$Brought\ forward$							\$718,786	99
Construction: Installing lamps and removing and relocat posts, etc., less rebat	ting	lam	ps,				1,358	32
Office Expenses: Printing					\$117 30 63		211	12
Miscellaneous: Travel expenses (car fa Typewriter repairs at tion	nd	insp	ec-		\$22 12			
Gas lamp-posts Globes and shade fram					900			
Installing boulevard							937	12
Cleveland circle		-					798	00
Total							\$722,091	55
Revenue Cred	lited	to (Genero	ul R	evenu	e.		
Lighting Boston and Can	nbri	dge	bridg	es			\$2,726	42

The following is a statement of the work done during the year under the supervision of the Division Engineer, Highway Division:

Arc lamps have been provided for skating and tobogganing during the season at Franklin Field, Franklin Park and Wood Island Park the same as in years past.

There has been installed in Cleveland circle, Brighton, 16 Boulevard White Way lamps. In addition to these, throughout the city the lighting system was increased by the installation of 51 new magnetite arcs and 55 incandescents, and 38 gas lamps at various locations. The usual amount of regulation and relocation of lamps and services, made necessary by street construction, the building of sewers and other works has been conducted throughout the year.

Petitions and requests for new lamps received from citizens and from officials, also complaints in relation to the Lighting Service have been investigated and attended to. All streets in the underground district prescribed for the year have been inspected and neces-

sary changes and additions have been made.

The number of miles of streets and ways lighted by this service is as follows:

Public streets and alleys						606.33
Public footways Park roads, footways and	navist	eto s	troot	a on	Lalla	1.31
approximately						300.00
Total						907.64

During the year the following defects were reported by the police: arc lamps, 9443; incandescent, 5,737; and gas lamps, 2629.

There are in operation 19,983 arc, incandescent and gas lamps, divided as follows: 5,416 arcs, 4,711 tungsten incandescents, 9,713 single mantle gas lamps and 143 fire alarm gas lamps.

The following table shows the work of setting, repairing and altering lamp-posts, brackets, services, etc.:

	Set for Lamps.	Set in Place of Broken Posts.	Set in Place of New Straight Line and Posts Posts. Posts.	Straight- ened.	Reset to Line and Grade.	Unused Posts Removed.	Repaired. Laid. Relaid	Laid.	Relaid	Recon-	Cleared.	Cleared, Place of Shades.	Shades.
Cas posts.	× ×	26		21	51	11	60		ಣ		89	ମ	30
Are posts	62	:	16		59	s	1						15
Tungsten posts	17				-1	++		:		13			œ
Gas brackets		:		:		60		:			:		
Are fixtures			2	:			1						
Tungsten fixtures	38					1				16			:

The following table shows the number of lamps of various types in use on January 1, 1922, as compared with the number in use on January 1, 1921:

	January, 1922.	January, 1921.	Increase or Decrease.
Single mantle gas Fire alarm gas Magnetite are	9,713 143 5,416	9,725 143 5,354	—12 —62
Tungsten incandescent	4,711	4,667	44
	19,983	19,889	94

STREET LAMP OUTAGES.

Rebates for lamps not lighted on schedule time or out before the proper time have been received on the various monthly bills as follows:

Date.	Incandescent.	Gas.	Arc.
February, 1921	\$11 09	\$30.78	\$257 55
March	13 88	42 53	276 01
April	13 02	53 - 66	244 07
May	6 26	$21 \ 31$	150 40
June	7 88	7 68	96 36
July	3 92	9 17	84 64
August	2 66	4 13	67 41
September	20 - 45	6.88	124 28
October	5 66	3 56	129 42
November	5 68	9 91	177 22
December	10 59	19 36	177 18
January, 1922	32 84	27 - 62	372 64
	\$133 93	\$236 59	\$2,757 18

GAS LIGHTING.

There are 9,713 single mantle gas lamps and 143 open flame fire alarm signal lamps.

The city furnishes the lamp-posts, the gas company set the lamp-posts and provides service pipes laid from the gas mains to the top of the posts; maintain all such pipes and posts in good condition and repair; furnish gas, lanterns, burners and all other necessary equipment, including labor for lighting and care.

The lighting service provides for the gas, lighting and care of the fire alarm signal lamps, and the fire department for the lanterns, posts, setting and repairing of same.

ias Lamps.

Бантъа Сохимат.	Gas District.	Number of Lamps.	Type of Lamps.	Rated Candle Power.	Gas Hours of Consumed Buring per Lamp Annum.	Hours of Burning per Annum.	Cost of Gas per Lamp per Annum.	Cost per Lamp for Lighting, Care and Repair per Annum.	Cost per Lamp for Lighting, Care and per Lamp. Repair per Annum.
Boston Consolidated Gas Com-Dorchester, Rox bury,	South Boston, East Boston, Dorchester, R o x b u r y,	9,208 16	Single mantle.	88	3 feet. 3 feet.	4,000	90 68 68	815 00 15 00 15 00	\$21 00 21 00
	Brighton, West Roxbury.	108	F. A. Open flame.	09	4 feet.	4,000	00 6	15 00	21 00
Charlestown Gas and Electric Charlestown Company.	Charlestown	505 19	Single mantle. Open flame	88	3 feet. 3 feet.	4,000	00 6 6	00 21 15 00 21	212 00 00

ELECTRIC LIGHTING.

There are in use 5,416 magnetite arc lamps, 3,361 40 candle power, 1,310 60 candle power, 19 100 candle power, 10 200 candle power, and 11 600 candle power tungsten lamps.

The electric companies provide and set the lampposts, except the lamp-posts for incandescent lamps supplied from underground circuits, furnish lamps, overhead wires, underground conduits, cables and connections and all other necessary equipment and maintain them in good condition and repair.

The lighting rates for electric lamps are in accordance with the following table:

DESCRIPTION OF LAMP.	Fixed Costs per Lamp per Year.	Running Costs per Lamp Hour.
40 candle power incandescent lamp, series	\$10 80	118 cent
40 candle power indandescent lamp, multiple		r_{00}^{25} cent
60 candle power incandescent lamp, series	12 00	r_0^2 cent
60 candle power incandescent lamp, multiple		. 3 cen t
100 candle power incandescent lamp, series	18 00	10 cent
100 candle power incandescent lamp, multiple		₁⁵ cent
200 candle power incandescent lamp, series	25 00	1 cent
500 candle power incandescent lamp, multiple	36 00	1,5 cent

A discount of 10 per cent is made on the above rates for lamps in all sections of the city. A deduction at the rate of 1 cent per hour for lamps of 100 candle power or less and 5 cents per hour for all other lamps is made for outages.

Arc Lamps.

1 E	Company.	Number of Lamps.	Connected.	Type of Lamps.	Type of Circuit.	At Lighting Terminal. Hours.	Lighting Hours.	Cost of Lamp per Annum.
25 Underground. Magnetite. Series 6 6 amp. D. C. 528 224 Overhead. Magnetite. Series 6.6 amp. D. C. 528		1.723		Magnetite.	Series 6.6 amp. D. C.	528	3,528	879 60
25 Underground. Magnetite. Multiple D. C. 528 224 Overhead. Magnetite. Series 6.6 amp. D. C. 528 Normality Series 6.6 amp. D. C. 528	w r 131 - 1 Illuminufine Controlly	3,368		Magnetite.	Series 6 6 amp. D. C.	528	3,828	79 60
224 Overhead. Magnetite. Series 6.6 amp. D. C. 528	Edison Fleetife indiminating company	131	Underground.	Magnetite.	Multiple D. C.		3,828	87 52
The Lorenzand Mannetite Spries 66 ann. D. C. 528		555	Overhead.	Magnetite.	Series 6.6 amp. D. C.	528	3,828	29 60
2	Charlestown Gas and Electric Company		Underground.	Magnetite.	Series 6.6 amp. D. C.	528	3,828	79 60

Note.—In the above the candle power figures are the official designations. The wattage figures are here eliminated

Incandescent Lamps.

Company.	Number of Lamps.	Type of Lamp.	Type of Circuit.	Candle Power.	Lighting Hours.	Cost of Lamp per Annum.
	1,901	Tungsten.	Series 6.6 amp. D. C.	40	3,828	\$15.92
	745	Tungsten.	Series 6.6 amp. D. C.	09	3,828	17 69
	4	Tungsten.	Series 6.6 amp. D. C.	100	8,828	29 98
Elison Flortic Illuminating Company	1,449		Tungsten. Multiple D. C.	40	3,828.	18 33
Luison the transmission of the state of the	565		Tungsten. Multiple D. C.	09	8,828	21 14
	15	Tungsten.	Multiple D. C.	100	3,828	33 43
	10	Tungstens.	Series 6.6 amp. D. C.	200	3,828	63 28
	111	Tungsten.	Tungsten. Multiple D. C.	200	3,828	80 78
Charlestawn Gas and Electric Commany	01	Tungsten.	Series 6.6 amp. D. C.	40	3.828	15 92
		Tungsten.	Tungsten. Multiple D. C.	09	8,828	21 14

The wattage figures Note.—In the above the candle power figures are the official designations. are here eliminated.

PAVING SERVICE.

The following is a description of the most important work done during the year:

Granite Block Pavement.

Albany street, from Broadway to about 75 feet south of

Troy street. (See "Assessment Streets.")

Bremen street, from 230 feet northeast of Maverick street, across Porter street is about 1,239 feet in length, with a roadway 24 feet and sidewalks 7 to 9 feet in width. A contract for paving this street was awarded to Coleman Brothers, Inc., May 13, 1921. The contractor did the excavating, and reset the edgestone. The roadway was paved with second-hand granite block with grout joints on a gravel base. Artificial stone sidewalks were laid on the north side and on the south side the bricks were relaid. Work was commenced May 12, 1921, and completed July 11, 1921. The straight edgestone, circles and corners were furnished by the city and delivered on the line of work. The second-hand granite blocks were hauled by the contractor from Chelsea street. All other materials were furnished by the contractor. The sidewalks and roadway were laid under a five year maintenance guaranty. The former surface of this street was macadam roadway with brick sidewalks.

Clarendon street, from Stuart street to Boston & Albany

Railroad Bridge. (See "Assessment Streets.")

Columbus avenue, from Tremont street to Centre street, is about 3,170 feet in length. A contract for reconstructing the surface of this street was awarded to John Kelly Company June 24, 1921. Work was begun June 15, 1921, and completed October 17, 1921. This street, 80 feet in width, has a roadway 54 feet in width, with a double track for surface cars in the centre, and is paved with granite blocks, grout joints, on a 6-inch cement concrete base, using the best of the blocks found in the street and reshaping the existing concrete base with new material to conform with the proper grade and crown. The sidewalks The street car tracks are of artificial stone 13 feet in width. were regulated and repayed by the Boston Elevated Railway Company. The city furnished the new edgestone, circles and corners on the line of the work and the granite blocks for replacements at the Massachusetts avenue lot. The contractor did the excavating, took up, cleaned and relaid the granite blocks, set the edgestone, furnished all the materials for the work, other than those furnished by the city, and hauled the surplus paving materials to the city yard. The granite block pavement and artificial stone sidewalks were laid under a five-year main-

tenance guaranty.

Dorchester avenue, from Park street to the railroad bridge at Ashmont street is about 4,700 feet in length. A contract for reconstructing the surface of this street was awarded to Gore, Inc., July 22, 1921. Work was begun July 20, 1921, and completed December 3, 1921. This street is about 56 feet in The roadway is about 38 feet in width with a double track for surface cars in the center and is paved in part with granite blocks and in part with wood blocks, all on a 6-inch cement concrete base. The sidewalks are of artificial stone, 9 feet in width with a granite edgestone. The contractor took up the existing granite block paving in the easterly roadway, dummy and westerly gutter, then recut and relaid the best of the blocks with grout joints in the easterly roadway and dummy between car tracks. New blocks, furnished by the city on the line of the work and laid with an asphaltic mastic joint by the contractor were used to pave the westerly roadway. wood blocks were furnished and laid with a sand joint by the contractor, on both roadways from Dix street to Mather street and from King street to Roseland street. The street car tracks were regulated and repaved to conform with the rest of the roadway by the Boston Elevated Railway Company. The city furnished the new edgestone, circles and corners on the line of the work and the paving blocks for replacements at the Massachusetts avenue lot. The contractor did the excavating, set the edgestone, furnished all the materials for the work, other than those furnished by the city and hauled the surplus paving materials to the city yard. The granite block and wood block in the roadways and the artificial stone sidewalks were laid under a five-year maintenance guaranty.

Dudley street, from Alexander street to Stoughton street, is about 1,400 feet in length. A contract for repaying this street was awarded to DeStephano Brothers August 18, 1920. Work was begun September 16, 1920, suspended December 15, 1920, resumed March 17, 1921, and completed April 8, 1921. This year 500 square yards of granite block pavement with

grout joints was laid to complete the work.

Fargo street, South Boston, from B street to C street.

("See Assessment Streets.")

Friend street, from Union street to Causeway street is about 1,860 feet in length. A contract for paving this street with second-hand granite blocks without joints on a concrete base was awarded to B. E. Grant Company October 11, 1920. This street is about 35 feet in width with a roadway 25 feet in width and sidewalks 5 feet in width. Work was commenced October 22, 1920, suspended November 15, 1920, resumed March 17, 1921 and completed April 27, 1921. The Contractor set the edgestone to the line and grade, barred out and culled and piled

the old granite blocks, removed the old concrete base where directed and excavated the roadway. The roadway was paved with second-hand granite blocks with grout joints on a 6-inch Portland cement concrete base. The brick sidewalks were replaced with artificial stone. The straight edgestone, circles and corners were furnished by the city on the line of the work. Second-hand granite blocks for renewals were furnished by the city at the Massachusetts avenue lot and other yards and hauled by the contractor. All other materials were furnished by the contractor. In connection with this contract Merrimac street, from Haymarket square to Portland street, was paved with second-hand granite blocks with grout joints on a 6-inch Portland cement concrete base. The brick sidewalks were replaced with artificial stone. Market street, between Friend street and Canal street, was repaved with second-hand granite blocks, with grout joints on a 6-inch Portland cement concrete base and the brick sidewalks were relaid. The granite block paving and the artificial stone sidewalks were laid under a five-year maintenance guaranty. The former surface of this street was granite block gravel base and joints between Union street and Sudbury street and granite block, pitch joints and concrete base between Sudbury street and Causeway street.

Portland street, from Hanover street to Causeway street, is about 1,696 feet in length. A contract for paving this street with second-hand granite blocks with grout joints on a concrete base, was awarded to B. E. Grant Company, October 11, 1920. The street is about 50 feet in width with a roadway 34 feet in width and sidewalks 8 feet in width. Work was commenced April 16, 1921, and completed June 28, 1921. The contractor set the edgestone to line and grade, barred out, culled and piled the old granite blocks, removed the old concrete base where directed and excavated the roadway. The roadway was paved with second-hand granite blocks with grout joints on a 6-inch Portland cement concrete base. The brick sidewalks were replaced with artifical stone. The straight edgestone, circles and corners were furnished by the city on the line of work. Second-hand granite blocks for renewals were furnished by the city at the Massachusetts avenue lot and other yards and hauled by the contractor. All other materials were furnished by the contractor. In connection with this contract, Hanover street, from Washington street to Elm street was paved with second-hand granite blocks with grout joints on the existing concrete base. Traverse street, from Merrimac street to Canal street, was paved with second-hand granite blocks with grout joints on the existing concrete base. Market street, from Portland street to Friend street, was paved with second-hand granite blocks with grout joints on a 6-inch Portland cement concrete base. The brick sidewalks were replaced with artificial stone. The car tracks on Portland street were removed between Hanover street and Merrimac street, and from Merrimac street to Causeway street single tracks were laid and the area between the rails paved with second-hand granite blocks with grout joints on a 6-inch concrete base by the Boston Elevated Railway Company. The granite block paving and artificial stone sidewalks were laid under a five-year maintenance guaranty. The former surface of this street was granite block, pitch joints on a concrete base.

Public Alley 909, from Massachusetts avenue to Hemen-

way street. (See "Assessment Streets.")

Richmond street, from Hanover street to Atlantic avenue, is about 1,213 feet in length. A contract for paving this street with second-hand granite blocks, with grout joints on a 6-inch Portland cement concrete base, was awarded to B. E. Grant Company October 11, 1920. This street is from 40 to 50 feet in width with a roadway from 26 to 34 feet in width and sidewalks from 7 to 8 feet in width. Work was commenced June 11, 1921, and completed July 12, 1921. The contractor set the edgestone to line and grade, barred out, culled and piled the granite blocks and excavated the roadway. roadway was paved with second-hand granite blocks with grout joints on a 6-inch Portland cement concrete base. brick sidewalks were replaced with artificial stone. straight edgestone, circles and corners were furnished by the city on the line of the work. Second-hand granite blocks for renewals were furnished by the city at the Massachusetts avenue lot and other yards and hauled by the contractor. All other materials were furnished by the contractor. The granite block paving and artificial stone sidewalks were laid under a five-year maintenance guaranty. The former surface of the street was granite blocks, gravel base and joints.

Stanhope street, from Morgan street to Trinity place.

(See "Assessment Streets.")

Washington street, from 69 feet south of Corinth street to Denton terrace, is about 2,160 feet in length. A contract tor constructing this street was awarded Gore, Inc., August 30, 1921. Work was begun October 10, 1921, and suspended December 15, 1921. It is a 60-foot street with granite edgestones, 5-inch granite blocks laid on 6-inch concrete base, with asphalt mastic joints each side of street car tracks and is to have 8-foot artificial stone sidewalks. The granite block pavement and artificial stone sidewalks are laid under a fiveyear maintenance guaranty. With the exception of the artificial stone sidewalk, a small part only of which was laid this year, the street is practically completed. The edgestone and granite blocks were furnished by the city on the line of work. All other materials were furnished by the contractor. The street car tracks and space between, from 69 feet south of Corinth street to about 40 feet south of Cornell street, was paved with recut granite blocks on a 6-inch concrete base with grout joints by the Boston Elevated Railway Company and paid for by the city under agreement. The Boston Ele-

vated Railway Company furnished all materials.

Washington street, from Archdale road to 75 feet south of Corinth street, is about 3,387 feet in length. A contract for constructing the surface of this street was awarded to William J. Barry June 25, 1920. Work was started July 1, 1920, suspended December 24, 1920, resumed April 12, 1921, and completed April 22, 1921. The work done this year consisted of laying artificial stone sidewalks under a five-year maintenance guaranty. The street car tracks and space between was paved with recut granite blocks on 6-inch concrete base with grout joints by the Boston Elevated Railway Company and paid for by the city under agreement. The Boston Elevated Railway Company furnished the materials.

ASPHALT PAVEMENT.

Allenwood, street, from Anawan avenue to Pelton street. (See "Assessment Streets.")

Centre street, from Allandale street to South street. (See

"Assessment Streets.")

Chilton road, from Weld street to 411 feet northwesterly. (See "Assessment Streets.")

Cushman road, from Dustin street to Gleneoe street.

(See "Assessment Streets.")

South street, from Centre street about 270 feet easterly. (See "Assessment Streets.")

ASPHALT CONCRETE.

Arborway, from Forest Hills street to Morton street. (See "Assessment Streets.")

Arbutus street, from Blue Hill avenue to Irma street.

(See "Assessment Streets.")

Archdale road, from Washington street to South street.

(See "Assessment Streets.")

Arlington street, Brighton, from Market street across Leicester street is about 475 feet in length. A contract to pave the surface of this street with Simasco pavement was awarded to Simpson Brothers Corporation November 2, 1920. Work started October 29, 1920, suspended December 8, 1920, resumed May 10, 1921, and completed June 8, 1921. The contractor set the new edgestone and reset the existing edgestone, furnished and laid the artificial stone sidewalks on a cinder foundation and laid the Simasco pavement on the old macadam surface for a foundation. The artificial stone sidewalks and Simasco pavement were laid under a 5-year maintenance guaranty. The city furnished the new edgestone, and all other materials necessary to do the work were furnished by the contractor, who also hauled the old gutter block to the Chestnut Hill avenue paving yard.

Babcock street, from Commonwealth avenue to the Boston

& Albany Railroad. (See "Assessment Streets.")

Beacon street and Chestnut Hill avenue, including Cleveland eircle, is about 1,517 feet in length. A contract for paving this street and constructing the circle was awarded to John J. Lane June 13, 1921. Work started June 24, 1921, and was completed October 15, 1921. Beacon street at this location is 160 feet wide, with 15-foot sidewalks, consisting of 10 feet of artificial stone sidewalks and the 5 feet of edgestone and planting space. There are two roadways, one 50 and one 30 feet in width, a bridle path 20 feet wide and a track location and loam space 30 feet wide. Cleveland circle is 175 feet in radius, consisting of a sidewalk 20 feet wide, made up of a 10-foot artificial stone sidewalk and 10 feet of loam space, a roadway 65 feet wide and an inner circle, 90-foot radius, surrounded by a curb and is reserved as a planting or loam space. Chestnut Hill avenue, from Cleveland circle to the Brookline line, is 60 feet in width with 10-foot sidewalks. The contractor did the subgrading, set the new edgestone and reset the old edgestone, furnished and laid artificial stone sidewalks and resurfaced the two roadways on Beacon street with asphalt concrete on macadam foundation. The roadway around the circle and Chestnut Hill avenue to the line and Beacon street to the reservoir reservation were paved with asphalt concrete on a 6-inch concrete base. The roadways and sidewalks were laid under a 5-year maintenance guaranty. The city furnished the new edgestone on the line of work and the contractor furnished all other materials necessary to do the work, including loam and seed for loam spaces and gravel for the bridle path.

Beech street, from West Roxbury Parkway to Belgrade

avenue. (See "Assessment Streets.")

Belgrade avenue, from Anawan avenue to Centre street.

(See "Assessment Streets.")

Centre street, from Forbes street to Boylston street, is about 1,386 feet in length. A contract to pave the surface of this street with Topeka pavement was awarded to the Central Construction Company November 23, 1920. Work was begun November 18, 1920, suspended December 22, 1920, resumed April 28, 1921, and completed June 8, 1921. The contractor set the new edgestone and reset the old edgestone, removed the old gutter blocks, subgraded the roadway and laid the Topeka pavement on the old macadam for a base. Artificial stone sidewalks were furnished and laid on the west side of the street and the old brick sidewalks were relaid on the easterly side. The artificial stone sidewalks and the Topeka pavement were laid under a 5-year maintenance guaranty. The city furnished the new edgestone and the sidewalk brick. All other materials necessary for the completion of the work were furnished by the contractor.

Centre street, from South street to Spring street. (See "Assessment Streets.")

Centre street, from Columbus avenue across Hyde square. is about 3,270 feet in length and from Boylston street across Green street is about 2,520 feet in length. A contract for constructing this street was awarded to B. E. Grant Company August 10, 1921. Work was begun August 4, 1921, and suspended December 10, 1921. From Columbus avenue across Parker street, the edgestone was reset and the old granite blocks were recut and relaid on 6-inch concrete base with grout joints, each side of street car tracks. From Parker street, across Hyde square on the northerly side and across Forbes street on the southerly side, edgestone was reset and asphaltic concrete laid on macadam foundation each side of street car tracks. Recut granite block 9 inches wide were laid on outside of street car rails on 6-inch concrete base with grout joints. Artificial stone sidewalks were completed on north side from about 80 feet east of Gay Head street to Creighton street. The intersection of Moraine street and South Huntington avenue and of Boylston street were laid with asphaltic concrete on macadam foundation and brows of recut granite blocks on 6-inch concrete base with grout joints laid to car tracks. From Moraine street to Lochstead avenue on the west side and from Boylston street to Robinwood avenue on the east side, edgestone was set, asphaltic concrete on 6-inch concrete base and recut granite block brows on 6-inch concrete base with grout joints, were laid at car rails, on each side of street car tracks from Boylston street and Moraine street to about 120 feet south of Lochstead avenue on the west side, and to about 190 feet south of Spring Park avenue on the east side. The asphaltic concrete, granite block paying and artificial stone sidewalks were laid under a 5-year maintenance guaranty. The edgestone was furnished by the city on the line of work. A part of the recut blocks were furnished by the city and hauled by the contractor. All other materials furnished by the contractor. The street car tracks and space between, was paved with recut granite blocks on 6-inch concrete base with grout joints by the Boston Elevated Railway Company. The space between the tracks was paid for by the city under agreement. The Boston Elevated Railway Company furnished the material.

Chelsea street, from Maverick street to Day square, is about 3,972 feet in length with a roadway 50 feet in width and sidewalks 10 feet in width. A contract for constructing this street was awarded to Coleman Brothers, Inc., May 13, 1921. Work was commenced May 9, 1921 and finished July 21, 1921. The contractor did the excavating and reset the edgestone. The roadway, from Maverick street across Gove street, was paved with asphalt concrete on a 6-inch Portland cement concrete base and between Gove street and Day square with asphalt concrete on macadam foundation. The sidewalks were constructed of artificial stone. The straight edgestone, circle and corners were furnished by the city and delivered on the

line of work. All other materials were furnished by the contractor. The sidewalks and roadway were laid under a fiveyear maintenance guaranty. The former surface of this street was granite block, gravel joints and tar and asphalt macadam with brick sidewalks.

Chestnut Hill avenue, from Beacon street to Commonwealth avenue. (See "Assessment Streets.")

Cummington street, from Commonwealth avenue to Boston & Albany Railroad. (See "Assessment Streets.")

Columbus avenue, from Centre street to Walnut avenue, is about 4,020 feet in length. A contract to pave the surface of this street with asphalt concrete was awarded to Simpson Brothers Corporation, May 11, 1921. Work was started May 6, 1921, and finished August 9, 1921. The existing edgestone was reset, artificial stone sidewalks were furnished and laid and the roadway was subgraded and paved with asphalt concrete on the old macadam for a base. The sidewalks and roadway were laid under a five-year maintenance guaranty. The city furnished the new circles, edgestone and corners and all other materials were furnished by the contractor, who hauled the old eross walks, gutter blocks and sidewalk brick to the Highland Street Paving Yard.

Green street, from Centre street to Call street, is about 1,992 feet in length. A contract to pave the surface of this street with Topeka pavement was awarded to the Central Construction Company November 23, 1920. Work was begun March 31, 1921, and completed June 8, 1921. The work done was to reset the edgestone, furnish and lay artificial stone sidewalks, remove the old block gutters, subgrade the roadway and lay the Topeka pavement on the old macadam for a founda-The artificial stone sidewalks and pavement were laid under a five-year maintenance guaranty. The city furnished the circular edgestone and all other materials necessary to do the work were furnished by the contractor.

Halifax street, from South Huntington avenue to Pond View avenue. (See "Assessment Streets.")

Hastings street, from Centre street to Corey street. (See "Assessment Streets.")

Huntington avenue (north side), from the east side of Gainsborough street to the west side of Hemenway street, is about 1 882 feet in length. A contract to pave the surface of this street with asphalt concrete was awarded to the Andrews Construction Company May 12, 1921. Work started May 12, 1921, and was completed July 8, 1921. New edgestone was set and much of the existing edgestone reset. Artificial stone sidewalks were furnished and laid and the roadway was subgraded or brought up to the proper subgrade with crushed stone and the asphalt concrete laid on the macadam foundation. The sidewalks and pavement were laid under a five-year maintenance guaranty. The city furnished the new edgestone on the line of work and all other materials required were furnished by the contractor, who hauled the old gutter blocks, crosswalks and sidewalk brick to the Massachusetts avenue lot.

Hyde Park avenue, from Metropolitan avenue to River

street. (See "Assessment Streets.")

Imrie road, from Cambridge street to Allston Playground.

(See "Assessment Streets.")

Market street, from Washington street across Western avenue, is about 5,015 feet in length. A contract to pave the surface of this street with a Simasco pavement was awarded to Simpson Brothers Corporation November 2, 1920. Work on the street was started November 15, 1920, suspended December 8, 1920, resumed March 17, 1921, and completed June 24, 1921. The contractor set the new edgestone and reset the old edgestone, hauled the gutter blocks to the Chestnut Hill Avenue Paving Yard, furnished and laid the artificial stone sidewalks, subgraded the old roadway and laid the Simasco pavement on the old macadam for a foundation. The artificial stone sidewalks and pavement were laid under a five-year maintenance The brows and dummy of car tracks and some of the paying in the tracks were relaid with grout joints. The city furnished the new edgestone and all other materials necessary to do the work were furnished by the contractor. In connection with this work Western avenue was paved down to the Watertown Bridge.

Melton road, from Wallingford road to Colonial road. (See

"Assessment Streets.")

Morton street, from Forest Hills avenue to 1,200 feet easterly. (See "Assessment Streets.")

North Beacon street, from Market street to beyond Parsons

street. (See "Assessment Streets.")

Oriole street, from Bellevue road to Emmons road. (See "Assessment Streets.")

Pontiac street, from Tremont street to Hillside street.

(See "Assessment Streets.")

River street, from bridge over Providence Division Railroad across Everett square, is about 1,269 feet in length. The contract for constructing a Topeka pavement was awarded to the Central Construction Company November 2, 1920. Work was begun April 25, 1921, and completed September 20, 1921. Edgestone was reset, recut granite blocks laid on 6-inch concrete base with grout joints in single track and brows to tracks, 2-inch Topeka pavement laid on macadam foundation and artificial stone sidewalks constructed. The Topeka pavement and artificial stone sidewalks were laid under a five-year maintenance guaranty. Recut blocks were furnished by the city and hauled by the contractor. Circular edgestone was furnished by the city on the line of the work. Other materials were furnished by the contractor.

Seaver street, from Blue Hill avenue to Columbia road, is about 651 feet in length. A contract to pave the surface

of this street with asphalt concrete was awarded to Simpson Brothers Corporation May 11, 1921. Work started June 9, 1921, and was completed August 13, 1921. New edgestone was set and the old edgestone was reset where necessary. Artificial stone sidewalks were furnished and laid and the roadway was subgraded and paved with asphalt concrete on the old macadam for a base. The sidewalks and roadway were laid under a five-year maintenance guaranty. The city furnished the straight and circular edgestone and corners on the line of work and all other materials were furnished by the contractor, who hauled the surplus and unused materials to the Highland Street Yard. Considerable asphalt concrete was laid on the approaches at Columbia road and Blue Hill avenue.

Stuart street, from Dartmouth street to Trinity place. (See "Assessment Streets.")

Thorndike street, from Commonwealth avenue to the Brookline line. (See "Assessment Streets.")

West Newton street, from Tremont street to Shawmut avenue, is about 757 feet in length. A contract to pave the surface of this street with asphalt concrete, was awarded to the Andrews Construction Company May 12, 1921. Work was begun May 31, 1921, and completed June 18, 1921. The old edgestone was reset, artificial stone sidewalks were furnished and laid and the roadway was subgraded and paved with asphalt concrete on the old macadam for a base. The sidewalks and pavement were laid under a five-year maintenance guaranty. The city furnished the circles and edgestone on the line of work and all other materials were furnished by the contractor, who hauled the old crosswalks, gutter blocks and sidewalk brick to the Massachusetts avenue lot.

BITULITHIC PAVEMENT.

Brenton street, from Glenway street to Greenwood street. (See "Assessment Streets.")

Dorchester street, from East and West Broadway to East and West Eighth street, is about 1,720 feet in length. A contract for reconstructing the surface of this street vas awarded to Samuel J. Tomasello May 9, 1921. Work was begun May 6. 1921, and completed September 1, 1921. This street is 80 feet in width. The roadway is 54 feet in width with a double track for surface cars in the centre and is paved in part with bitulithic on a 6-inch cement concrete base and in part with granite block, asphaltic mastic joints, using the best of the blocks found on the street and reshaping the existing concrete base with new material to the proper grade and crown. Granite blocks with grout joints on a 6-inch cement concrete base were used to pave the brows of the ear track. The Boston Elevated Railway Company regulated and repaved the car track and dummy with granite blocks, grout joints, on a cement concrete base. The city furnished the new edgestone and circles on the line of the work. The contractor furnished all the other materials, did the excavating, set the edgestone, cleaned and relaid the granite blocks and hauled the surplus materials to places designated by the commissioner. The granite block pavement and bitulithic pavement in the roadway and artificial stone sidewalks were laid under a five-year maintenance guaranty.

Whitten street, from Dorchester avenue across Althea

street. (See "Assessment Streets.")

WOOD BLOCK PAVEMENT.

Charles street, from Beacon street to Cambridge street. (See "Assessment Streets.")

Congress street, Post Office square and Milk street, from State street across Federal street, is about 1,035 feet in length with a roadway 37 to 190 feet in width. A contract for paving this street with wood block pavement was awarded to Coleman Brothers, Inc., September 16, 1921. Work was commenced September 14, 1921, and completed November 22, 1921. The contractor barred out and hauled the old paving blocks to the Massachusetts avenue lot and excavated the roadway. The roadway was paved with wood blocks on a 6-inch Portland cement concrete base. The area between the car tracks was paved with special cut granite blocks with asphalt joints on a 6-inch Portland cement concrete base. At the Angell Memorial Drinking Fountain, the granite blocks were relaid with grout joints on the existing concrete base. The ear tracks were set to line and grade by the Boston Elevated Railway Company and the area between the rails was paved with granite blocks with asphalt joints on a 6-inch Portland cement concrete base. The wood block and granite block paying was laid under a five-year maintenance guaranty. The former surface of the street was granite block with pitch joints and grout joints on a concrete base.

Washington street, from Beach street across Kneeland street, is about 290 feet in length. A contract to pave the surface of this street was awarded to James Doherty May 12, 1920. Work was begun October 11, 1920, suspended December 8, 1920, resumed April 19, 1921, and completed April 29, 1921. The contractor reset the edgestone, repaired the old concrete base and furnished and laid a wood block pavement on a mortar bed with sand joints. Granite block paving was relaid in the intersection at Kneeland street. A part of these blocks are recut, with gravel joints. Artificial stone sidewalks were furnished and laid. The sidewalks and pavement was laid under a five-year maintenance guaranty. The contractor furnished all the materials necessary to do the work except a

small amount of edgestone furnished by the city.

ARTIFICIAL STONE SIDEWALKS.

Beacon street (south side), at the Hotel Buckminster, is about 189 feet in length. A contract to rebuild the artificial stone sidewalk in front of this hotel was awarded to Louis DeSisto September 19, 1921. Work was begun September 22, 1921, and completed September 29, 1921. The contractor broke out the old walk which was in bad condition, due to settlement and rebuilt the artificial stone walk under a five-year maintenance guaranty. The contractor furnished all materials necessary to do the work.

Blue Hill avenue (west side), from 217 feet south of Goodale road to Wellington Hill street, is about 833 feet in length. A contract for constructing an artificial stone sidewalk on this street was awarded to Metzer and Tratten July 1, 1921. Work was begun July 26, 1921, and completed August 19. 1921. The sidewalk is 15 feet in width with a 10-foot artificial stone walk and a loam space. The contractor furnished all the materials for this work, graded the loam space and relaid the underdrain at the back of the sidewalk. The artificial stone

was laid under a five-year maintenance guaranty.

Cowper street, from Moore street about 300 feet easterly. A contract for constructing artificial stone sidewalks on this street was awarded to the Holbrook Construction Company June 24, 1921. Work was begun June 27, 1921, and completed July 20, 1921. It is a 50-foot street with a 34-foot macadam roadway, 8-foot artificial stone sidewalk and granite edgestone. The granite edgestone, circles and corners were furnished by the city on the line of the work. All other materials were furnished by the contractor. The artificial stone sidewalks were laid under a five-year maintenance guaranty.

Euclid street, from Washington street to Withington street, is about 431 feet in length. A contract for constructing artificial stone sidewalks on this street was awarded to Metzer and Tratten July 1, 1921. Work was begun July 6, 1921, and completed July 25, 1921. It is a 40-foot street with a macadam roadway, 7-foot artificial stone sidewalks, granite edgestone and 3-foot granite block gutters. The granite edgestone, circles and corners were furnished by the city on the line of the work. The gutter blocks were furnished by the city and hauled by the contractor. All other materials were furnished by the contractor. The artificial stone sidewalks were laid under a five-year maintenance guaranty.

Fairbanks street, from Washington street to Faneuil street, is about 1,174 feet in length. A contract to construct the sidewalks on this street was awarded to the John McCourt Company, June 24, 1921. Work was started June 20, 1921, and completed July 15, 1921. This street is 40 feet in width with 7-foot sidewalks. The contractor set the edgestone and

furnished and laid the artificial stone sidewalks under a fiveyear maintenance guaranty. The city furnished the new edgestone and all other materials were furnished by the contractor.

Hemenway street (easterly side), from Batavia street to Gainsborough street, is about 191 feet in length. A contract to rebuild the artificial stone on this street was awarded to Louis DeSisto September 19, 1921. Work was started October 3, 1921, and completed October 10, 1921. The contractor reset the edgestone and repaved the granite block gutter, broke out the old walk, furnished considerable cinder foundation and furnished and laid the artificial stone sidewalk under a five-year maintenance guaranty. All the materials necessary to do the work were furnished by the contractor.

Hemenway street (westerly side), from Museum square about 230 feet northerly. A contract to construct an artificial stone sidewalk on this street was awarded to Louis DeSisto September 19, 1921. Work was started October 7, 1921, and completed October 13, 1921. The contractor removed the old brick sidewalk and hauled the brick to the Massachusetts avenue lot. The edgestone was reset, granite block gutters relaid, a cinder foundation furnished and the artificial stone sidewalk furnished and laid. The contractor furnished all the

materials necessary to do the work.

La Grange street (north side), from Centre street to Landseer street, is about 1,005 feet in length. A contract for constructing artificial stone sidewalks was awarded to Joseph Todesca November 26, 1920. Work was begun November 15, 1920, suspended December 9, 1920, resumed April 12, 1921, and completed April 27, 1921. Granite edgestone was set, 2-foot granite block gutters laid the entire length, artificial stone sidewalks 10 feet wide laid from Centre street to Sturgis road, and 6 feet wide with loam space 4 feet wide and tree pits from Sturgis road to Landseer street. The artificial stone sidewalk was laid under a five-year maintenance guaranty The edgestone was furnished by the city on the line of work and granite blocks were furnished by the city and hauled by the contractor. All other materials were furnished by the contractor.

Moore street, from Bennington street to Cowper street, is about 728 feet in length. A contract for constructing artificial stone sidewalks on this street was awarded to Holbrook Construction Company June 24, 1921. Work was begun June 20, 1921, and completed July 28, 1921. It is a 50-foot street with a 34-foot macadam roadway, 8-foot artificial stone sidewalks and granite edgestone. At the southerly end of the street, a fence about 60 feet in length was built and the slope toward the harbor paved with large stone to protect it from tidal wash. The granite edgestone, circles and corners were furnished on the line of work by the city. The stone for slope

paving was found on the street. All other materials were furnished by the contractor and the surplus paving blocks were hauled to the city yard by the contractor. The artificial stone sidewalks were laid under a five-year maintenance guaranty.

Orchard street, from Centre street to Pond street, is about 1,570 feet in length. A contract for constructing artificial stone sidewalks on this street was awarded to the Andrews Construction Company June 22, 1921. Work was begun June 22, 1921, and completed August 9, 1921. The edgestone was reset, granite block gutters relaid, gravel base and joints and artificial stone sidewalks constructed. The sidewalk on the south side of Pond street, from Dunster road to about 150 feet west of Orchard street, was also constructed. The artificial stone sidewalk was laid under a five-year maintenance guaranty. Small corners were furnished by the city on the line of work. All other materials were furnished by the contractor.

Peterborough street (south side), in front of No. 40 and No. 42, is about 91 feet in length. A contract to reconstruct the sidewalks in front of these properties was awarded to Louis DeSisto September 19, 1921. Work was started September 29, 1921, and completed October 1, 1921. The contractor broke out the old artificial stone sidewalk and furnished the new cinder foundation necessary and furnished and laid the new walk under a five-year maintenance guaranty. The contractor furnished all materials necessary to do the work.

South street, from Archdale road to Washington street, is about 2,040 feet in length. A contract for constructing artificial stone sidewalks was awarded Charles Struzziery September 22, 1921. Work was begun September 22, 1921, and completed November 26, 1921. Edgestone was set and artificial stone sidewalks constructed where none existed. The sidewalks vary from 6 to 7 feet in width. The artificial stone sidewalks were laid under a five-year maintenance guaranty. The straight edgestone was furnished by the city and hauled by the contractor. Circular edgestone and corners were, furnished by the city on the line of work. All other materials were furnished by the contractor.

Wachusett street, from Walk Hill street to Weld Hill street, is about 1,404 feet in length. A contract for constructing the artificial stone sidewalks on this street was awarded to Metzer and Tratten July 1, 1921. Work was begun August 15, 1921, and completed October 29, 1921. It is a 35-foot street with a macadam roadway, 6-foot artificial stone sidewalks, granite edgestone and 3-foot granite block gutters. The granite edgestone, circles and corners were furnished by the city on the line of work. The gutter blocks were furnished by the city and hauled by the contractor. All other materials were furnished by the contractor. The artificial stone sidewalks were laid under a five-year maintenance guaranty.

Assessment Streets.

Albany street, from Broadway to about 75 feet north of Troy street, is about 821 feet in length. A contract for paving this street with granite blocks with grout joints on a concrete base was awarded to James Doherty, September 29, 1920. Work was commenced September 15, 1920, suspended December 17, 1920, resumed March 21, 1921, and completed May 9, This street is 80 feet in width with a roadway 54 feet in width and sidewalk 13 feet in width. The contractor furnished the filling and did the excavating. The edgestone was reset to line and grade and the roadway was paved with granite blocks with grout joints on a 6-inch Portland cement concrete base. Owing to the fact that the roadway was widened about 20 feet, the contractor furnished about 2,000 square vards of new granite blocks which were laid between Broadway and Seneca street, and Oneida street and Genesee The straight edgestone, circles, corners and sidewalk brick were furnished by the city on the line of the work. Secondhand sidewalk brick were furnished by the city at the Massachusetts avenue lot and hauled by the contractor. All other materials were furnished by the contractor. In connection with this contract, Lehigh street was paved with second-hand granite blocks with grout joints on a gravel base. Broadway, from Albany street to Lehigh Street Bridge, was paved with second-hand granite block with grout joints on existing concrete base. Seneca street, from Albany street about 135 feet westerly, the brick blocks were taken up and relaid, and Troy street, from Albany street about 176 feet westerly, was paved with second hand gramte blocks with grout joints on a gravel base. The granite block paving was laid under a five-year maintenance guaranty. The former surface of the street was granite block with pitch joints on a concrete base.

Allenwood street, from Anawan avenue to Pelton street, is about 507 feet in length with a roadway 26 feet in width and sidewalks 7 feet in width. A contract for constructing this street with asphalt concrete was awarded to John T. Shea, Jr., November 8, 1921. The contractor did the excavating and set the edgestone. Owing to the nature of this soil, the contractor was directed to excavate below subgrade and replace the excavated materials with crushed stone. On the crushed stone foundation a 4-inch Portland cement concrete base was laid. On account of weather conditions the asphalt concrete was not laid. Work was commenced October 28, 1921, and suspended December 24, 1921. The straight edgestone, circles and corners were furnished by the city on the line of the work. All other materials were furnished by the contractor. Work will be resumed in the spring of 1922. The former surface of this street was gravel.

Arborway, from Forest Hills street to Morton street, is

about 626 feet in length. A contract for constructing this street was awarded to the Rowe Contracting Company November 25, 1921. Work was begun in Arborway November 15, 1921, and suspended December 30, 1921. The work this year has consisted of removing trees and stone walks.

Arbutus street, from Blue Hill avenue to Irma street, is about 727 feet in length. A contract for constructing the surface of this street was awarded to Martino DeMatteo October 11, 1920. Work was begun November 24, 1920, suspended December 20, 1920, resumed March 14, 1921, and completed May 19, 1921, It is a 40-foot street with a 26-foot Topeka roadway on a 4-inch cement concrete base, 7-foot artificial stone sidewalks and granite edgestone. The granite edgestone, circles and corners were furnished by the city on the line of the work. All other materials were furnished by the city yard. The Topeka roadway and artificial stone sidewalks were laid under a five-year maintenance guaranty.

Archdale road, from Washington street to South street, is about 446 feet in length. A contract for constructing this street was awarded to Martino DeMatteo July 16, 1920. Work was begun April 11, 1921, and completed May 27, 1921. It is a 40-foot street with granite edgestone, artificial stone sidewalks 7 feet in width and 2-inch Topeka pavement laid on a 4-inch concrete base. Tree spaces were left in the sidewalk. The intersection of South street was laid with Topeka pavement on a macadam foundation. The Topeka pavement and artificial stone sidewalks were laid under a five-year maintenance guaranty. The edgestone was furnished by the city on the line of the work, All the other materials were furnished by the contractor.

Babcock street, from Commonwealth avenue to the Boston & Albany Railroad, is about 953 feet in length. A contract to construct this street was awarded to the Rowe Contracting Company May 27, 1920. Work was begun September 15, 1920, suspended December 23, 1920, resumed March 7, 1921, and completed May 6, 1921. This is a 60-foot street with 10-foot artificial stone sidewalks and a 40-foot roadway. The street was subgraded, new edgestone was set, and the roadway was paved with a Topeka pavement on a 4-inch Portland cement concrete base. The artificial stone sidewalks and Topeka pavement were laid under a five-year maintenance guaranty. The contractor built a wooden fence across the end of the street on the line of the railroad property. The city furnished the granite paving blocks for paving the brows to the car track and the new edgestone. All other materials were furnished by the contractor.

Beech street, from West Roxbury Parkway to Belgrade avenue, is about 158 feet in length. A contract for constructing this street was awarded Rowe Contracting Company July 6,

1920. Work was begun August 30, 1920, suspended December 24, 1920, resumed April 4, 1921, and completed May 4, 1921. It is a 60-foot street with granite edgestone, 2-inch Topeka pavement laid on a 6-inch concrete base, and artificial stone sidewalks 10 feet in width. Edgestone was also set and crushed stone sidewalks surfaced to Anawan avenue and Topeka pavement laid on macadam foundation to Belgrade street. The artificial stone sidewalks and Topeka pavement were laid under a five-year maintenance guaranty. The edgestone was furnished by the city on the line of the work. All the other

materials were furnished by the contractor.

Belgrade avenue, from Anawan avenue to Centre street, is about 1,303 feet in length. The contract for constructing this street was awarded Rowe Contracting Company July 6, 1920. Work was begun July 6, 1920, suspended December 24, 1920, resumed April 11, 1921, and completed April 27, 1921. It is a 70-foot street from Anawan avenue across Beech street and a 60-foot street from Beech street to Centre street. It has granite edgestone, 2-inch Topeka pavement, laid on a 6-inch concrete base on each side of the car tracks, 9-inch granite block brows to street car rails laid on a 6-inch concrete base with grout joints and artificial stone sidewalks 10 feet in width. From 100 feet east of Belgrade street across Anawan avenue edgestone was reset, gutters relaid with gravel joints, brows to car rails laid on gravel base with grout joints and Topeka pavement laid on macadam foundation each side of car tracks. The Topeka pavement and artificial stone sidewalk was laid under a five-year maintenance guaranty. The edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor. The street car tracks and space between were paved with recut granite block on a 6-inch concrete base with grout joints by the Boston Elevated Railway Company and paid for by the city under agreement. With the exception of a part of the recut blocks, the Boston Elevated Railway Company furnished the materials.

Brenton street, from Glenway street to Greenwood street, is about 317 feet in length. A contract for constructing the surface of the street was awarded to Warren Brothers Company June 8, 1921. Work was begun June 13, 1921, and completed July 13, 1921. It is a 40-foot street with a 26-foot bitulithic roadway on a 4-inch cement concrete base, 7-foot artificial stone sidewalks and granite edgestone. The granite edgestone, circles and corners were furnished by the city on the line of the work. All other materials were furnished by the contractor. The bitulithic roadway and artificial stone sidewalks were laid under a five-year maintenance guaranty.

Centre street, from Allandale street to South street, is about 6,502 feet in length. A contract to resurface this street was awarded to the Bermudez Company September 17, 1920. Most of the work of construction was completed last year, a

small area being laid this year, completing the work.

Centre street, from South street to Spring street, is about

6.331 feet in length. The contract for constructing this street was awarded the Rowe Contracting Company, July 6, 1920. Work was begun July 6, 1920, suspended December 24, 1920, resumed March 14, 1921, and completed August 31, 1921. It is an 80-foot street with granite edgestone, 2-inch Topeka payement laid on a 6-inch concrete base each side of car track, 9-inch granite block brows to street ear rails, laid on 6-inch concrete base with grout joints, and artificial stone sidewalks 10 feet in width. The Topeka and artificial stone sidewalks were laid under a five-year maintenance guaranty. The edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor. The street car tracks and space between were paved with recut granite blocks on a 6-inch concrete base with grout joints by the Boston Elevated Railway Company and paid for by the city under agreement. The Boston Elevated Railway Com-

pany furnished the materials.

Charles street, from Beacon street to Cambridge street, is about 1,839 feet in length. A contract for constructing this street was awarded to B. E. Grant Company, August 2, 1921. The roadway is 46 feet in width with sidewalks 9 to 11 feet in Work was commenced July 26, 1921, and completed November 22, 1921. The contractor barred out and hauled the old paving block to the Massachusetts avenue lot, excavated the roadway and moved the old foundation walls on the line of widening. The edgestone was set to new line and grade and the roadway was paved with wood block on a cement mortar bed on a 6-inch Portland cement concrete base. The area between the car tracks was paved with special cut granite block with asphalt joints on a 6-inch Portland cement concrete The sidewalks were constructed of artificial stone. The straight edgestone, circles and corners and special cut granite blocks were furnished by the city and delivered on the line of work. All other materials were furnished by the contractor. The car tracks were set to line and grade by the Boston Elevated Railway Company and the area between the rails was paved with granite block with asphalt joints on a 6-inch concrete base. The wood block, granite block and artificial stone sidewalks were laid under a five-year maintenance guaranty. The former surface of this street was granite block on a concrete base with brick sidewalk.

Chestnut Hill avenue, from Beacon street to Commonwealth avenue, is about 795 feet in length. A contract to construct this street was awarded to John J. Lane, June 13, 1921. Work was started June 7, 1921, and completed October 14, 1921. Under this contract the street was widened to 80 feet in width with 10-foot sidewalks. The street was subgraded, involving considerable rock cutting on the widening as much as 17 feet in places. The wall on the west side street line was taken down and a new wall was built on the new line. New edgestone was set and the old edgestone was reset. Artificial stone sidewalks were furnished and laid, the car tracks

were relaid in the centre of new roadway and the tracks, brows and dummy were paved with recut granite block on a concrete base with grout joints. The roadway on the east side of the tracks was paved with asphalt concrete on the old macadam for a foundation and on the west side of the tracks where the widening was asphalt concrete was laid on a 6-inch Portland cement concrete base. The sidewalks and roadway were laid under a five-year maintenance guaranty. The city furnished the new edgestone required on the line of the work, also the flagging for coping on the wall, and all other materials necessary to do the work were furnished by the contractor, who also sloped the high ground back of the wall and covered the slope with loam.

Chilton road, from Weld Hill street to 411 feet northwesterly, is about 405 feet in length with a roadway 26 feet in width and sidewalks 7 feet in width. A contract for constructing this street with asphalt concrete was awarded to John T. Shea, Jr., November 8, 1921. The contractor did the excavating, set the edgestone. The roadway was paved with asphalt concrete on a 4-inch Portland cement concrete base. Work was commenced October 26, 1921, and suspended November 26, 1921. The straight edgestone, circles and corners were furnished by the city on the line of the work. All other materials were furnished by the contractor. The asphalt concrete was laid under a five-year maintenance guar-Work will be resumed in the spring of 1922. The anty. former surface of this street was gravel.

Clarendon street, from Stuart street to Boston & Albany Railroad Bridge, is about 438 feet in length, with a roadway 54 feet and sidewalks 13 feet in width. A contract for constructing this street was awarded to Gore, Inc., May 24, The contractor did the excavating, furnished the filling and set the edgestone. The roadway was paved with special cut granite block with grout joints on a 6-inch Portland cement concrete base. The sidewalks were constructed of artificial stone. A dry rubble wall about 13 feet in length was built at the railroad bridge and a wooden fence on east side from Stanhope street to the railroad bridge. Work was commenced May 19, 1921, and completed August 18, 1921. The straight edgestone, circles and corners were furnished by the city on the line of the work. All other materials were furnished by the contractor. The former surface of this street was not graded. The sidewalks and roadway were laid under a fivevear maintenance guaranty.

Cummington street, from Commonwealth avenue to Boston & Albany Railroad, is about 268 feet in length. contract to construct this street was awarded to the Rowe Contracting Company, May 27, 1920. Work was begun August 19, 1920, suspended September 15, 1920, resumde March 11, 1921, and completed May 6, 1921. This street as constructed varies in width from 40 to 45 feet with 7-foot

artificial stone sidewalks and a roadway 31 feet wide. street was subgraded, new edgestone was set, the roadway was paved with topeka pavement on a 6-inch Portland cement concrete base and artificial stone sidewalks were furnished The Topeka pavement and artificial stone sideand laid. walks were laid under a five-year maintenance guaranty. The contractor built a wooden fence across the end of the street on the line of the railroad location. The city furnished the new edgestone on the line or work and the granite paving blocks at the Massachusetts avenue lot. All other materials necessary were furnished by the contractor.

Cushman road, from Dustin street to Glencoe street, is about 945 feet in length. A contract to construct this street was awarded to John J. Lane, September 7, 1920. Work was begun October 28, 1920, suspended December 6, 1920, resumed March 21, 1921, and completed May 2, 1921. The street as constructed is 40 feet wide with 7-foot sidewalks and a 26-foot The contractor did the subgrading, set the edgeroadway. stone, furnished and laid the artificial stone sidewalks on a cinder foundation and paved the roadway with sheet asphalt on a 4-inch concrete base. The artificial stone sidewalk and roadway paving was laid under a five-year maintenance guaranty. The city furnished the new edgestone on the line or work and all other materials necessary to do the work were furnished by the contractor.

Fargo street, from B street to C street, is about 533 feet in length. A contract to repave the surface of this street was awarded to the B. E. Grant Company, November 15, 1920. Work was begun December 2, 1920, suspended December 15, 1920, resumed March 14, 1921, and completed May 7, 1921. The work done was to bar out the old granite block, recut them and relay them on a 6-inch concrete base with grout joints, reset the edgestone and lay brick sidewalks. The recut block were laid under a five-year maintenance guaranty. paving in the intersection of C street and for a considerable distance on each side on C street was relaid by the contractor. The city furnished the new circles and the sidewalk brick. All other materials necessary to complete the work were furnished by the contractor.

Halifax street, from South Huntington avenue to Pond View avenue, is about 970 feet in length. A contract for constructing the surface of this street was awarded to Martino DeMattee, April 29, 1921. Work was begun May 16, 1921, and completed July 6, 1921. It is a 40-foot street with a 26-foot asphaltic concrete roadway on a 4-inch cement concrete base, 7-foot artificial stone sidewalks and granite edgestone. The granite edgestone, circles and corners were furnished by the city on the line of the work. All other materials were furnished by the contractor. The asphaltic roadway and artificial stone sidewalks were laid under a five-year maintenance guaranty.

Hastings street, from Centre street to Corey street, is about 394 feet in length. A contract for constructing this street was awarded to Martino DeMatteo December 6, 1921. Work was not started.

Hyde Park avenue, from Metropolitan avenue to River street, is about 5,454 feet in length. A contract for constructing this street was awarded Martino DeMatteo November 6, 1919. Work was begun November 10, 1919, suspended January 8, 1920, resumed March 29, 1920, suspended December 20, 1920, resumed March 14, 1921, and completed May 12. 1921. It is a 70-foot street with granite edgestone, 10-foot artificial stone sidewalks, 2-inch Topeka pavement on a 6-inch concrete base each side of car tracks, with granite block brows on 6-inch concrete base with grout joints at rails. The work this year consisted of laying the Topeka pavement on west side from West street across Metropolitan avenue and on the east side from River street to beyond Thatcher street, and laving the 6-inch concrete base and Topeka pavement on east side from Thatcher street across Metropolitan avenue, thus completing the roadway begun last year. The Topeka pavement and artificial stone sidewalks were laid under a five-year maintenance guaranty. The corners and recut block were furnished by the city and hauled by the contractor. The straight edgestone and circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the The street car tracks were relocated and a double car track constructed by the Eastern Massachusetts Street Railway Company, the city making the necessary excavation under agreement with Gore, Inc.

A contract for paving the street car location was awarded to John McCourt Company October 8, 1920. Work was begun October 11, 1920, and completed November 19, 1920. This pavement is recut granite block on a 6-inch concrete base with grout joints. The old granite blocks were furnished by the city and recut by the contractor, who furnished all other materials.

Imrie road, from Cambridge street to Allston Playground, is about 620 feet in length. A contract to construct this street was awarded to Charles M. Callahan, June 3, 1921. Work started June 14, 1921, and was completed August 2, 1921. This street as constructed varies in width from 26.18 to 28 feet with 5-foot sidewalks. The street was subgraded and new edgestone was set, artificial stone sidewalks furnished and laid and the roadway was paved with asphalt concrete on a 4-inch Portland cement concrete base. The sidewalks and pavement were laid under a five-year maintenance guaranty. The city furnished the new edgestone on the line of work and the contractor furnished all other materials necessary to do the work

Melton road, from Wallingford road to Colonial road, is about 455 feet in length. A contract to construct this street

was awarded to Charles M. Callahan, June 3, 1921 Work started July 6, 1921, and was completed September 15, 1921. This street as constructed is 50 feet in width with a 29-foot roadway and sidewalks 10.5 feet wide, consisting of 5 feet of artificial stone, a tree or loam space and curb stone. The street was sub-graded, edgestone set, artificial stone sidewalks furnished and laid and the roadway was paved with asphalt concrete on a 4-inch concrete base. The sidewalks and roadway were laid under a five-year maintenance guaranty. The contractor graded and seeded the loam spaces. The city furnished the new edgestone on the line of the work and all other materials necessary to do the work was furnished by the contractor.

Morton street, from Forest Hills avenue, 1220 feet easterly. A contract for constructing this street was awarded Rowe Contracting Company, November 25, 1921. Work was not started

North Beacon street, from Market street to beyond Parsons street, is about 2,823 feet in length. A contract to widen and construct this street was awarded to the John Kelley Company, October 5, 1921. Work was started October 3, 1921, and suspended December 20, 1921. This street as it is to be constructed for the most of its length is 60 feet in width with 10foot sidewalks, but under the railroad bridge the street narrows down to 28.5 feet in width with 3-foot sidewalks. tracks have been removed from the street. The contractor is subgrading the street, the cut being quite heavy on the north side of the street where the widening is, being 7 feet in places. New edgestone is being set and the old reset, artificial, stone sidewalks furnished and laid and the roadway is being paved with asphalt concrete on a 6-inch concrete base except the narrow portion under the bridge which is to be paved with granite block on a concrete base with asphalt joints. The sidewalks and paving are laid under a five-year maintenance guaranty. There is a short piece of dry rubble wall to be laid near the railroad bridge and a small amount of loam space is to be graded and seeded near the Charles River Parkway. The city furnished the new edgestone and paving block and all other materials are furnished by the contractor, who hauls all unused material to the Chestnut Hill Yard. The contract for constructing this street was awarded late in the Fall and the work will be completed in the spring.

Oriole street, from Bellevue road to Emmons road, is about 426 feet in length. A contract for constructing the surface of this street was awarded to Martino DeMatteo, April 29, 1921. Work was begun June 8, 1921, and completed July 8, 1921. It is a 40-foot street with a 26-foot asphaltic concrete roadway on a 4-inch cement concrete base, 7-foot sidewalks having a 4½-foot artificial stone walk with a loam space and granite edgestone. The granite edgestone, circles and corners were furnished by the city on the line of the work. The paving blocks

were furnished by the city and hauled by the contractor. other materials were furnished by the contractor. The asphaltic roadway and artificial stone sidewalks were laid under a

five-year maintenance guaranty.

Pontiac street, from Tremont street to Hillside street, is about 936 feet in length. A contract to pave the surface of this street with asphalt concrete, was awarded to the John McCourt Company, May 24, 1921. Work was started May 19, 1921, and completed June 28, 1921. This is a 40-foot street with 7-foot sidewalks. The street was subgraded involving considerable rock cutting, new edgestone was set, artificial stone sidewalks were furnished and laid and the roadway was paved with asphalt concrete on a 4-inch Portland cement concrete base. sidewalks and roadway were laid under a five-year maintenance guaranty. The city furnished the new straight edgestone and circular edgestone on the line of the work, and all other materials were furnished by the contractor. All surplus and unused materials were hauled by the contractor to the Highland Street Paying Yard.

Public Alley No. 909, from Massachusetts avenue to Hemenway street, is about 379 teet in length. A contract for constructing the surface of this alley was awarded to DeStefano Bros., November 2, 1920. Work was begun March 24, 1921, and completed May 7, 1921. It is a 10-foot alley having an 8-foot roadway paved with 4-inch granite block, grout joints on a 6-inch cement concrete base, artificial stone sidewalks 1 foot in width and granite edgestone. A concrete retaining wall about 170 feet in length was built on the southerly side of this alley. The new granite edgestone, circles and corners were furnished by the city on the line of the work. The paving block were furnished by the city and hauled by the contractor, who also hauled the surplus paving materials to the city yard. All other materials were furnished by the contractor. The granite block roadway and artificial stone sidewalks were laid under a five-year maintenance guaranty.

South street, from Centre street about 270 feet easterly. A contract to construct this street with sheet asphalt was awarded to the Bermudez Company, September, 7, 1920. Work was begun September 20, 1920, suspended December 29, 1920, resumed April 11, 1921, and completed May 5, 1921. The work done this year consisted of laying artificial stone sidewalks.

Stanhope street, from Morgan street to Trinity place, is about 654 feet in length, with a roadway 20 feet in width and sidewalks 5 feet in width. A contract for constructing this street was awarded to Gore, Inc., May 24, 1921. The contractor did the excavating, furnished the filling and set the edgestone. The roadway was paved with special cut granite block with grout joints on a 6-inch Portland cement concrete base. The square at Morgan street was paved with secondhand granite block on a gravel base. The sidewalks were constructed of artificial stone. Work was commenced May 24, 1921, and completed August 18, 1921. The straight edgestone, circles and corners were furnished by the city on the line of the work. All other materials were furnished by the contractor. The granite block paving and artificial stone sidewalks were laid under a five-year maintenance guaranty. The former surface of the street was granite block with gravel base and the joints and brick sidewalks.

Stuart street, from Dartmouth street to Trinity place, is about 268 feet in length and from the west side of Clarendon street to Columbus avenue is about 1,229 feet in length. contract to reconstruct this street was awarded to DeStephano Brothers, November 21, 1921. Work was started November 16, 1921, and suspended December 30, 1921. This street is to be 70 feet wide with 15-foot sidewalks and a 40-foot road, The contractor is to reset the edgestone, remove the old paying block, subgrade the street and make a fill where the roadway and slopes of the sidewalk are low. Artificial stone sidewalks are to be furnished and laid and the roadway is to be paved with asphalt concrete on a 6-inch concrete base. The sidewalks and roadway are to be laid under a five-year maintenance guaranty. The city will furnish any new edgestone and granite paving blocks required on the line of work, all other materials are to be furnished by the contractor, who is to haul the old paying blocks and flagging and other unused materials to the Massachusetts avenue lot.

Thorndike street, from Commonwealth avenue to the Brookline line, is about 144 feet in length. A contract to construct this street was awarded to Charles M. Callahan, June 3, 1921. Work was begun June 3, 1921, and completed June 22, 1921. This street as constructed, is 50 feet wide with a 34-foot roadway and 8-foot sidewalks. The sidewalk on the north side of the street consists of 5 feet of artificial stone and a loam space and the walk on the south side is full width artificial stone. New edgestone was set, artificial stone sidewalks were furnished and laid and the roadway was paved with asphalt concrete on a 4-inch concrete base. The sidewalks and roadway were laid under a five-year maintenance guaranty. The city furnished the new edgestone on the line of work and all other materials were furnished by the contractor.

Whitten street, from Dorchester avenue across Althea street, is about 1,017 feet in length. A contract for constructing the surface of this street was awarded to Warren Brothers Company June 8, 1921. Work was started June 24, 1921, and completed August 10, 1921. It is a 40-foot street with a 26-foot bitulithic roadway on a 4-inch cement concrete base, 7-foot sidewalks having a 4-foot artificial stone walk, a 3-foot loam space and part granite and part artificial stone curb. The granite edgestone, circles and corners were furnished by the city on the line of the work. A few paving blocks were hauled from Brenton street by the contractor. All other materials were furnished by the contractor. The bitulithic roadway and artificial stone sidewalks were laid under a five-year maintenance guaranty.

Work Done by Contract, 1921.

	Old.	New,	Total, Old and New.	
Edgestone set.	73,639 linear feet.	37,486 linear feet.	111,125 linear feet.	
Crushed stone foundation for edgestone		5,079 " "	2,079 "	
Concrete base laid	17,410 square yards.	150,436 square yards.	167,846 square yards. 1	ds. 1
Granite block paving laid on gravel base with gravel joints	" " 675.t	1,015 " " 2	5,294 " "	
New granite block paving laid with asphalt joints		15,361 " " 3	15,361 " "	
New granite block paving laid with grout joints		4,248 " 4	4,248 " "	
Recut granite block paving laid with grout joints		42,128 " " 5	42,128 " "	
Second-hand granite block paving laid with asphalt joints		1,119 " " 6	" " 611,1	
Second-hand granite block paving laid with grout joints		47,605 " " 7	47,605 " "	
Sheet ssphalt and binder laid		2,743 " " 8	2,743 " "	
Bitulithic pavement laid	6,508 square yards.	4,066 " " 10	10,574 " "	
Asphalt concrete pavement laid.		90,864 " p	" 90,864 "	
Topeka pavement laid		68,797 " 12	, , , , , , , , , , , , , , , , , , , ,	
Simasco pavement laid		20,632 " " n	20,632 " "	
Wood block pavement laid	236 square yards.	13,539 " " 13	13,775 " "	
Brick block pavement laid	263 " "		. 263 " "	
Bituminous patching, full depth.	20,842 " " 14		. 20,842 "	
Bituminous surface patching.	6,876 " " 16		, , 928'9	
Bituminous surface patching, extra binder	50 eubic yards.		. 50 eubie yards.	ŝ

Artificiai stone sidewalks laid	3,277 square yards.	93,772 square yards.	97,049 square yards.16
Brick sidewalks laid.	2,967 "	1,137 " "	4,104 " "
Gravel sidewalks laid	103 " "		403 " "
Earth excavation.		30,134 cubic yards	30,134 cubic yards.
Rock excavation.		1,912 " "	1,912 " "
Filling furnished		4,273 " "	4,273 " "
Crushed stone furnished		3,940 tons.	3,910 tons.
Loam furnished.		1,235 cubic yards.	1,235 cubic yards.
Loam graded and seeded		1,162 square yards.	1,162 square yards.
Old concrete base removed		38,913 " "	38,913 " "
Covers, catch-basin frames and bradley-heads set		921	921
Concrete backing for edgestone		391 linear feet.	391 linear feet.
Concrete walls built		43 cubic yards.	43 cubic yards.
Rubble masonary walls built		n n 066	n n 066
Wood fence built.		972 linear feet.	972 linear feet.
Gravel shoulders placed		105 square yards.	105 square yards.
Bridle path graded		427 " "	" " 121
Slope paving		n n 92	n n 92
Artificial stone curb built		96 linear feet.	96 linear feet.
Walls and foundation removed.		534 cubic yards.	534 cubic yards.
Dry wells built		01	а

Explanations of Numerals on Preceding Pages.

1 Concrete base laid four (4) inches deep. 21.95 Concrete base laid six (6) inches deep. 115,89	21,950 square yards. 145,896	
Total concrete base laid		167,846 square yards.
255 Second-hand granite blocks, formerly gravel roadway 255 Second-hand granite blocks, formerly cobble gutters. 765 Total granite block paving laid on gravel base with gravel joints (new)	253 square yards. 762	1,015 square yards.
Permetly macadam roadway Formerly grantic blocks, grout joints Formerly grantic blocks, pitch joints Total new grantic block paving laid with asphalt joints	13,126 square yards. 1,746 " "	15,361 square yards.
Pormerly gravel roadway Pormerly grantic blocks, grave Joints Formerly grantic blocks, pitch joints Total new grantic block paving laid with grout joints	1,707 square yards. 867 1,196	4,248 square yards.
Formerly gravel roadway Formerly grantic blocks, gravel joints Formerly grantic block paving laid with grout joints (new)	414 square yards.	42,128 square yards.
6 Formerly granite blocks, pitch joints Total second-hand granite blocks laid with aspladt joints (new)	1,119 square yards.	1,119 square yards.
7 Formerly gravel roadway Formerly gravel blocks, gravel joints Formerly granite blocks, pirch joints Total second-hand granite blocks laid with grout joints (new)	74 square yards. 3.948 10.672 " " 32.911 "	47,605 square yards.
8 Formerly gravel roadway Formerly macadam roadway 63 Total asphate pavement laid (new)	2,107 square yards. 636	2,743 square yards.

B Formerly gravel roadway. Formerly concrete roadway. Formerly menethan roadway. Somerly bituminous macadan roadway. Formerly pituminous macadan roadway. Formerly granite block, gravel joints. Total asplialt concrete pavement laid (new).	15,197 square yards. 140 " " " " " " " " " " " " " " " " " " "	90,864 square yards.
¹⁰ Formerly graved roudway. Total bidulithic pavement laid (new).	4,066 square yards.	4,066 square yards.
11 Formerly, macadam roadway. Total Sinusco pavement laid (new).	20,632 square yards.	20,632 square yards.
të Pormerly gravel roadway. Formerly meredam roadway. Formerly hitminous nacadam roadway. Total topeka pavement laid (new).	2,010 square yards. 59,408 " " 7,349 " "	68,797 square yards.
B Formerly gravel roadway. Formerly macadam roadway. Formerly grantic blocks, gravel joints. Formerly grantic blocks, grout joints Formerly grantic blocks, grout joints Total wood block pavement laid (new)	1.172 square yards. 600 2.080 4.239 5.448	13,539 square yards.
u Replacing topeka Replacing bitulithic Replacing marenan road. Replacing marenan Replacing asphalt Total bitunathous patching (full depth)	109 square yards. 2,663 " " (25 " " 2,098 " " 15,347 " " "	20,842 square yards.
B Replacing bitulithic Replacing Roman road. Replacing asphult Total bituminons surface patching	5,854 square yards. 632 " " 390 " "	6,876 square yards.
be Laid with foundation Laid on existing foundation Total artificial stone sidewalks laid	45,884 square yards. 51,165	97,049 square yards

Work Done by Paving Service Forces During 1921.

	Old.		New.	Total. Old and New.
Edgestone set.	42,644 linear feet.	r feet.	3,243 linear feet.	45,887 linear feet.
Conercte base laid			659 square yards.	659 square yards.
Roadway, granite block, gravel joints	66,150 square yards.	re yards.	193 " "	66,343 " "
Roadway, granite block, pitch and pebble	314 "	а		314 ""
Roadway, granite block, grout joints	25,486 "	я	4,062 " "	29,548 " 2
Gutter, granite block, gravel joints	20,823 "	3	471 " "	21,294
Gutter, granite block, grout joints	290 "	3		290 "
Plagging crosswalk, gravel joints	3,528 "	я		3,528 " "
Roadway, wood block, sand joints	6,103 "	3		6,103 ""
Topeka pavement			" " " 18,909	, , , 608'81
Water-bound macadam surface placed	25,992	3		25,992 " "
Tar penetration macadam surface placed	, 398, 115,398	3	1,785 " "	114,183 " "
Asphalt penetration macadam surface placed	115,931 "	я	1,111 " "	117,042 " "
Macadam surface putched	347,275	3		347,275 "
Asphalt blanket cont.	44,201 "	я		44,201 "
Tar blanket coat	295,033 "	я		295,033 " "
Brick sidewalks laid	84,842 "	а	2,790 " "	87,632 " "
Artificial stone sidewalks laid.	5,840	а	, " , 629	6,419 "
Sidewalk exeavating.				
Roadway excavating.	:			
Gravel or crushed stone sidewalks surfaced.	181,722	я		181,722 " "
Grading (no pavement laid)				
Brick block pavement laid.	4,814		659	5.473 *
Concrete roadway laid			836 " "	836 "

FINANCIAL STATEMENT, PAVING SERVICE.

Maintenance.

Appropriation	inc		Oil	inc	\$1,278,474	40
Service	ще	anu	On	mg	5,824	15
Transferred from Lighting Service		•	•	•	5,524 5,596	
Transferred from Lighting Serv.	ice	•	•	•		
					\$1,289,895	20
Transferred to street improvement	ents	:			711	
Transferred to street improvement			•	•		
					\$1,289,183	80
Expended during the year .	•	•			1,287,913	15
Balance transferred to City	Tre	easur	У		\$1,270	65
$Special\ App$	rom	riatio	ns.			
• • • • • • • • • • • • • • • • • • • •	· op:	varvo				
Granolithic sidewalks:					\$50,000	Ω
Appropriation from taxes	•	•	•	•		
Expended during the year	•	•	•	•	49,999	
Balance January 31, 1922					\$0	18
Dalance validary 51, 1522	•	•	•	•		_
Reconstructing and Repar	irin	g Stre	eets	by (Contract.	
Balance February 1, 1921 .					\$181,749	86
Appropriation from taxes .					750,000	
					\$931,749	86
Expended during the year .					880,464	34
Emporated daring the year.	•	•		-		
Balance January 31, 1922					\$51,285	52
$Street\ Imp$	rove	ment	s.			
Appropriation from taxes .					\$290,000	00
Transferred from Paving Service	A	•	•	•	711	40
Transferred from Taving Bervie	C	•	•	•		
Expended during the year					\$290,711	40
Expended during the year	•	•				_
Washington Stree	t, V	Vest 1	Roxt	oury		
Appropriation from taxes .					\$100,000	00
Expended during the year .					63,877	
	•	•	-	•		
Balance January 31, 1922					\$36,122	13
,						

Sur	nmar	y of	$Exp\epsilon$	endi	tures.		
			-				\$1,287,913 15
Paving Service Highways, making of							761,550 39
Granolithic sidewalks							49,999 82
Reconstructing and	repai	ring	stree	ets 1	by co	n-	·
tract							880,464 34
Street improvements							290,711 40
Washington street, W							63,877 87
North Beacon street,	Brig	hton					24,301 50
Stuart street							1,361 53
Total						•	\$3,360,180 00
		Inc	OME				
Statement show							
deposited with the 1921, to January Revenue.	e Ci 31,	ty (192:	Colle 2, a	ecto nd	r fro	om ited	to General
1921, to January Revenue.	31,	1925	2, a	nd	r fro	om ited	to General
1921, to January Revenue. Edgestone and sidewa	31, alk as	192:	2, a	nd s	cred	om ited	\$41,204 84
1921, to January Revenue. Edgestone and sidewa Permits	31, alk as	1922 ssessi	2, ament	nd s	cred	ited	\$41,204 84 22,648 64
1921, to January Revenue. Edgestone and sidewa Permits Services of inspectors	31, alk as :	192:	2, a	nd s :		ited	\$41,204 84 22,648 64 3,789 25
1921, to January Revenue. Edgestone and sidewa Permits	31, alk as :	192:	2, a	nd s :		ited	\$41,204 84 22,648 64
1921, to January Revenue. Edgestone and sidewa Permits Services of inspectors	31, alk as :	192:	2, a	nd s :		ited	\$41,204 84 22,648 64 3,789 25
1921, to January Revenue. Edgestone and sidewa Permits Services of inspectors Labor, material furnic	31, alk as : : : :shed,	192: ssessr : etc.	2, a nent	nd s	cred	: : :	\$41,204 84 22,648 64 3,789 25 10,134 70 \$77,777 43
1921, to January Revenue. Edgestone and sidewa Permits Services of inspectors Labor, material furnis	31, alk as : shed, . o the	192: ssessi etc.	enent i i y Ti	nd s	cred sury	: : :	\$41,204 84 22,648 64 3,789 25 10,134 70 \$77,777 43 ing the year: \$26,739 30
1921, to January Revenue. Edgestone and sidewa Permits	31, ilk as ished, the	192: ssessr etc.	2, a nent	nd s reas	cred sury	: : :	\$41,204 84 22,648 64 3,789 25 10,134 70 \$77,777 43 ing the year: \$26,739 30 22,688 73
1921, to January Revenue. Edgestone and sidewa Permits	31, alk as shed, the	192: ssessr etc. Cit	2, a ment	s · · · · · · · · · · · · · · · · · · ·	cred sury	ited	\$41,204 84 22,648 64 3,789 25 10,134 70 \$77,777 43 ing the year: \$26,739 30

\$66,095 07

Objects of Expenditures from the Various Appropriations, Classified by Districts, from February 1, 1921, to January 31,

Districts.	Macadam Repairs.	Paved Street Repairs.	Removal of Snow.	Street Cleaning.	Edgestone and Sidewalk Repairs.	Street Work.	Schedule A, Miscellaneous.	Totals.
South Boston and Dorehester North	\$14,937 01	\$5,226 47	\$8,725 16	\$5,653 46	\$13,738 34	\$98,393 03		\$146,673 47
East Boston and Breed's Island	7,444 17	2,130 39	6,629 99	1,107 91	9,806 35	130,153 09		157,271 90
Charlestown	5,032 73	11,010 35	6,972 80	1,893 31	7,269 65	18,643 54		50,822-38
Brighton	21,870 65	1,297-17	5,601 05	16,681-62	2,573 70	242,561 63		293,585 82
West Roxbury	31,609 16	171 68	10,18296	21,779 85	5,510 58	568,142-57		637,396 80
Dorehester	55,698 64	1,383 65	10,947 41	14,501 39	8,158 69	223,820 74		284,540 52
Roxbury South and Jamaica Plain	26,233 02	2,052 29	23,295 29	43,566 07	18,606 21	311,492 10		425,244 98
South End and Roxbury North	18,316 11	8,308 01	21,843 28	7,483 29	28,141-93	218,991 98		303,084 60
Ashmont	30,632 59		5,774 05	6,049 89	4,297 87	23,820 41		70,574 81
North and West Ends and Back Bay	6,603 14	17,348 97	75,718 70	2,820 73	14,850 33	240,153 07		357,495 24
Hyde Park	11,982 15	101 70	2,002 39	7,338 16	4,931 39	104,471 40		133,827 19
Miscellaneous						* 73,671 77	\$425,990 52	499,662 29
Totals \$206,359 67	\$206,359 67	\$49,030-68	\$177,693 08	\$128,875 68	\$117,915 04	\$49,030 68 \$177,693 08 \$128,875 68 \$117,915 04 \$2,254.315 33	\$425,990 52	\$3,369,180 00

* \$8,799.32 new artificial stone sidewalks and repairs; \$64,872.45 asphalt and bitulithic road repairs.

SCHEDULE A.

Salary of division engineer (part of) Salary of engineer in charge (part of) Salaries of office clerks and stenographers Salaries of assistant engineers (office work) Salaries of permit office clerks Salaries of permit office inspectors Salaries of engineering inspectors (office work) Salaries of engineering inspectors, tallying traffic, Salaries of district inspectors Salary of street numbering clerk Salary of medical inspector (part of)	\$3,750 750 5,858 10,020 9,571 14,316 6,967 3,156 3,157 1,564	$00 \\ 33 \\ 45 \\ 21 \\ 36 \\ 06 \\ 64 \\ 62$
Salary of medical inspector (part of)	333	
Medical attendance on injured employees (out-	000	02
side)	423	15
Salary of chief veterinarian (part of)	308	
Salary or veterinarian (part of)	283	3/1
Salary or veterinarian (part of)	1,396	
Salary of inspector of horses	1,994	
Pensions paid to veterans of Civil War (retired).	6,974	
	25,362	77
Pensions paid to laborers (retired)		
Compensation allowed injured employees	5,009	
Vacations allowed laborers, mechanics, etc	34,833	04
Holidays, not including holidays charged to street	74.000	10
accounts	74,063	
Automobile expense, division engineer .	2,076	34
Gasolene, oil, grease, etc \$298 59		
Repairs		
New tires and tubes		
Repairing tires and tubes 37 05		
Supplies		
Miscellaneous 10 00		
Wages of chauffeur 1,404 00		
	2,495	10
Gasolene, oil, grease, etc \$327-74		
Repairs 513 35		
Repairs		
Repairing tires and tubes 23 25	•	
Repairing tires and tubes		
Miscellaneous 10 00		
Repairing tires and tubes		
Automobile expense, chief engineer	2,218	61
Gasolene, oil, grease etc \$282-39		
Repairs		
Supplies 15.92		
Viscellaneous 10 00		
Storage		
Storage		
Carried forward	\$216,884	85

Brought forward. Automobile expenses, forema Gasolene, oil, grease, etc					\$216,884	85
Automobile expenses, forema	ın B	righton	distric	t.	2,199	84
Gasolene, oil, grease, etc			\$327	52		
Repairs			173	69		
New tires and tubes .			208	52		
Repairing tires and tubes			37	05		
Supplies			19	93		
Miscellaneous			10	00		
Wages of chauffeur			1,423	13		
Automobile expenses, foreing Gasolene, oil, grease, etc Repairs New tires and tubes Repairing tires and tubes Supplies Miscellaneous Wages of chauffeur Automobile expense, foreing	ıan	West	Roxbu	ıry		
district					309	57
district Gasolene, oil, grease, etc.			\$108	06		
Repairs			119	35		
New tires and tubes .		:	56	20		
Repairing tires and tubes			2	25		
Supplies			13	71		
Miscellaneous			10	00		
Automobile evnence foreme	n 1)	archast	ar disti	net	446	77
Gasolovo oil grosso etc	шъ	OI CIICS	\$185	45	110	• •
Donoisa	•	•	192	44		
New tipes and tubes	٠	•	60	10		
New tires and tubes .		•	19	50		
Repairing tires and tubes	•	•	12	50		
Supplies	٠	•	ე <u>ე</u>	55		
Gasolene, oil, grease, etc. Repairs New tires and tubes Repairing tires and tubes Supplies Miscellaneous	•	•	11	10		
- Automobile expense, forema	n Ro	oxbury	district		835	33
Gasolene, oil, grease, etc. (bill	onumbernot				
received)			\$0			
Repairs			537	86		
New tires and tubes .			145			
Repairing tires and tubes			13	25		
Supplies			123	53		
received) Repairs New tires and tubes . Repairing tires and tubes . Supplies Miscellaneous			14	45		
Automobile expense, emerge Gasolene, oil, grease, etc. Repairs New tires and tubes Miscellaneous	nev	ear			601	13
Gasolene oil grease etc	1103		\$284	43	• • •	
Renaire	•	•	242	35		
New tires and tubes	•	•	64	35		
Miscellaneous	•	•	10	00		
And 17	·	L. Th. 1	1:.4:.4	_ 00	280	eΩ
Automobile expense, truck,	Bour	n End	CHSUICE	0 7	200	09
Gasolene, oil, grease, etc. Repairs	•	•	\$08	87		
Repairs	•	•	60	25		
New tires and tubes .	•	٠	135			
Repairing tires and tubes	•	•	$\begin{array}{c} 3 \\ 20 \end{array}$	00		
Supplies		•	20	92		
Repairs			2	00	0.40	1.
Postage		•			343	
Printing		•			5,706	
Stationery	•				1,128	
Postage	s, et	с		•	1,093	61
Carried forward					\$229,829	43

Brought forward	\$229,829 43
Engineering supplies and incluentais	2,610 46
Stationery	,
Printing	
Postage 157 38 Transit repairs 86 01 Miscellaneous 566 62 Adding machine 318 50 Wys level 210 00	
Transit repairs 86 01	
Miscellaneous	
Adding machine	
Adding machine	
Supplies for laboratory	636 39
Artificial stone sidewalks, new and repairs by de-	000 09
Artificial stone sidewarks, new and repairs by de-	
partment force (see reconstructing and re-	
pairing streets by contract and street im-	10 144 04
provements)	10,144 24
Asphalt and bitulithic pavement repairs. Tem-	
porary repairs, labor, teaming and materials	
(see, also, reconstructing and repairing,	
streets by contract and street improvements),	$512 \ 09$
Brick block repairs, labor, teaming and materials,	$4,242\ 23$
Wood block repairs, labor, teaming and materials,	4,242 23 $7,792 04$
Crosswalks repaired, not included elsewhere,	6,330 77
Fence renairs	8,020 26
Fence repairs	2,602 86
Edgestone sidewalk and gutters (new), not in-	2,002 00
aluded elsewhere	10,185 66
Don't of land whomes ato	3,933 00
cluded elsewhere	
norses	$2,430\ 00$
Expense of stables, including driv-	
ers, feeders, fodder, horse-	
shoeing, repairs to harnesses,	
wagons, carts, etc \$177,239 28	
Amount earned by department	
teams 166,913 50	
	10,32578
Electric lighting at yards and stables	1,228 23
Gas lighting at vards and stables	222 90
Fuel for heating yards, buildings, offices and	
stables	4,255 58
Electrical appliances, labor and materials, yards	1,200 00
and stables	54 67
Port of towals	152 05
Ctanan miner mater etc	
and stables	322 06
1 elepnone service	1,695 44
Derricks, repairing, etc	202 46
Ice	95 52
Signs, making and putting up	15,954 96
Tools, hardware, etc., new, cost of repairing, etc.,	25,939 43
Oil for lighting around defects, etc	1,856 10
Carried forward	\$351,574 61

Brought forward	\$351,574 61	
Expense of yards, including salaries of foremen,	40.00=.00	
clerks, yardmen, watchmen, tool wagons, etc.,	43,287 96)
Repairs of yard buildings, stables, sheds, shanties,	9 169 71	
etc, Sanding icy and slippery streets	8,168 71 5,580 09	
Repairing culverts and building new culverts	43 79	
Hoisting engine, fuel and supplies	$\begin{array}{c} 45 & 75 \\ 15 & 56 \end{array}$	
	5 70	
Uniforms, boots, shoes, etc	71 90	
Promium on guesty bonds	9 00	
Premium on surety bonds	$110 \ 25$	
Repairs to and inspection of typewriters Express and freight charges Trimming and removing trees	70 50	
Express and freight charges	$\frac{10}{25} \frac{50}{60}$	
Trimming and removing trees	134 00	
Public colobrations	129 00	
Tubile defentations	2,874 26	
Public celebrations	4,338 24	
Atlases	112 50	
Portion of cost of blueprinting machine	300 00	
Miscellaneous	477 78	
Steam rollers, cost of operating, re-	2	
pairs, etc \$34,253 18		
pairs, etc		
bleam foners, amount earlier	5,822 18	2
	U.O4# 10	
*** 1 1 1 1 1 1 1 1 1 1 1 1 1	- / -	
Work done and materials furnished individuals,	•	
	2,300 18	
corporations, etc	2,300 18	8
corporations, etc	2,300 18 651 74	8
corporations, etc	2,300 18 $651 74$ $1,541 20$	8
corporations, etc	2,300 18 651 74	8
corporations, etc	2,300 18 651 74 1,541 20 381 01	8
corporations, etc	2,300 18 $651 74$ $1,541 20$	8
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92	8 1 0 1 2
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92 146 25	8 1 0 1 2 5
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92	8 1 0 1 2 5
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92 146 25 670 00	8 4 0 1 2 5 0
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92 146 25 670 00	8 4 0 1 2 5 0 5
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92 146 25 670 00	8 4 0 1 2 5 0 5
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92 146 25 670 00	8 4 0 1 2 5 0 5
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92 146 25 670 00	8 4 0 1 2 5 0 5
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92 146 25 670 00 13 315 95 10 05	8 4 0 1 2 5 0 5 5
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92 146 25 670 00	8 4 0 1 2 5 0 5 5
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92 146 25 670 00 13 315 95 10 05	8 401 2 50 55 9 -
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92 146 25 670 00 13 315 95 10 05	8 401 2 50 55 9 -
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92 146 25 670 00 13 315 95 10 05	8 401 2 50 55 9 -
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92 146 25 670 00 13 315 95 10 05	8 401 2 50 55 9 -
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92 146 25 670 00 13 315 95 10 05	8 401 2 50 55 9 -
corporations, etc	2,300 18 651 74 1,541 20 381 01 1,670 92 146 25 670 00 13 315 95 10 05	8 4 0 1 2 5 0 5 5 - 9 - 9

Stock materials \$117,330 50							
Total	Stock materials			\$120	23	\$444,601	. 89
18,191 14 18,611 37 18,611 37 Total		\$156,240	58				
Total		174,431	72				
SPECIAL APPROPRIATIONS North Beacon street, Market street to beyond Parsons street. Length, 2,823 linear feet. Area, 12,235 square yards. Edgestone set; asphalt concrete pavement laid; artificial stone sidewalks constructed. (Unfinished.) Engineering	-			18,191	14	18.611	37
SPECIAL APPROPRIATIONS. North Beacon street, Market street to beyond Parsons street. Length, 2,823 linear feet. Area, 12,235 square yards. Edgestone set; asphalt concrete pavement laid; artificial stone sidewalks constructed. (Unfinished.) Engineering	TD 4 1						
North Beacon street, Market street to beyond Parsons street. Length, 2,823 linear feet. Area, 12,235 square yards. Edgestone set; asphalt concrete pavement laid; artificial stone sidewalks constructed. (Unfinished.) Engineering	Total		•	•	•	\$425,99	0 52
North Beacon street, Market street to beyond Parsons street. Length, 2,823 linear feet. Area, 12,235 square yards. Edgestone set; asphalt concrete pavement laid; artificial stone sidewalks constructed. (Unfinished.) Engineering	CDECIA	r Appp	ODDI	ATION	·Q		
2,823 linear feet. Area, 12,235 square yards. Edgestone set; asphalt concrete pavement laid; artificial stone sidewalks constructed. (Unfinished.) Engineering . \$2,071 13 Inspection . 668 49 Engineering expense . 39 05 Advertising . 7 75 Photographs . 28 00 Templets							
asphalt concrete pavement laid; artificial stone sidewalks constructed. (Unfinished.) Engineering	North Beacon street, Marke	et street t	o beyor	nd Parso	ns st	reet. Lei	ngth,
Cupfinished. Engineering \$2,071 13 Inspection 668 49 Engineering expense 39 05 Advertising 775 Photographs 28 00 Templets 31 36 Edgestone, 3,998 feet straight, 196 feet 8 inches circular, 34 large, 2 small corners and 4 special stones 6,644 68 Steam roller 198 00 Granite paving blocks, 28,700 large @ \$115 per M. 3,234 49 Manhole regulated 64 46 Amount paid to John Kelly Company, under contract: Removing trees, bushes, etc. \$400 00 4,800 cubic yards earth excavation @ 65c. 3,120 00 31 5 cubic yards rock excavation at \$5 157 50 3,809 linear feet straight edgestone set @ 20c. 761 80 456 linear feet circular edgestone reset @ 20c. 91 20 625 linear feet existing edgestone reset @ 20c. 125 00 2,720 square yards concrete base and asphalt concrete surface layer furnished and laid @ \$2.35 6,392 00 235 s q u a r e feet artificial stone foundation furnished and placed @ 2c. 4 70 14,300 s q u a r e feet artificial stone sidewalks, concrete base and wearing	asphalt concrete payers	rea, 12,20 ient laid; a	rtificial	stone sid	lewal	ks constru	\det_{\cdot}
Inspection	(Unfinished.)						
Engineering expense Advertising Advertising Advertising Photographs Begineering expense Advertising Begineering Be				. \$			
Advertising	Inspection						
Photographs	Advertising			•			
Templets. 31 36 Edgestone, 3,998 feet straight, 196 feet 8 inches circular, 34 large, 2 small corners and 4 special stones	Photographs						
circular, 34 large, 2 small corners and 4 special stones	Templets						
special stones Steam roller							
Steam roller				1 4	e e i i	eo	
Granite paving blocks, 28,700 large @ \$115 per M							
Manhole regulated	Granite paying blocks, 28	.700 large	@ \$115	ner	100	00	
Manhole regulated					3,234	49	
Removing trees, bushes, etc. 4,800 cubic yards earth excavation @ 65c. 31.5 cubic yards rock excavation at \$5. 3,809 linear feet straight edgestone set @ 20c. 456 linear feet circular edgestone set @ 20c. 625 linear feet existing edgestone reset @ 20c. 2,720 square yards concrete base and asphalt concrete surface layer furnished and laid @ \$2.35. 235 s q u a r e feet artificial stone foundation furnished and placed @ 2c. 4400 00 3,120 00 3,120 00 3,120 00 3,120 00 450 80 450 80 450 80 450 80 450 80 450 80 450 80 470 470 470 470	Amount paid to John K			der	64	46	
4,800 cubic yards earth exeavation @ 65c			@ 100	0.0			
tion @ 65c			\$400	00			
tion at \$5	tion @ 65c.	exeava-	3.120	00			
tion at \$5	31.5 cubic yards rock	excava-	0,120				
stone set @ 20c	tion at \$5		157	50			
456 linear feet circular edgestone set @ 20e			FC 1	00			
stone set @ 20e			(0)	80			
625 linear feet existing edgestone reset @ 20e	stone set @ 20e	a eage-	91	20			
2,720 square yards concrete base and asphalt concrete surface layer furnished and laid @ \$2.35 . 6,392 00 235 s q u a r e feet artificial stone foundation fur- nished and placed @ 2c	625 linear feet existin	g edge-					
and asphalt concrete surface layer furnished and laid @ \$2.35 . 6,392 00 235 s q u a r e feet artificial stone foundation fur- nished and placed @ 2c 4 70 14,300 s q u a r e feet artificial stone sidewalks, con- crete base and wearing	stone reset @ 20	Ĵe	125	-00			
surface layer furnished and laid @ \$2.35	2,720 square yards concr	ete base					
and laid @ \$2.35 . 6,392 00 235 s q u a r e feet artificial stone foundation furnished and placed @ 2c. 470 14,300 s q u a r e feet artificial stone sidewalks, concrete base and wearing							
235 s q u a r e feet artificial stone foundation furnished and placed @ 2c	and laid @ \$2.3	5 .	6.392	: 00			
nished and placed @ 2c			, , , , , =				
2c. 4 70 14,300 s q u a r e feet artificial stone sidewalks, con- crete base and wearing	stone foundation	on fur-					
14,300 s q u a r e feet artificial stone sidewalks, con- crete base and wearing		reed (a	4	70			
stone sidewalks, con- crete base and wearing		rtificial	4	70			
crete base and wearing							
$rac{ ext{surface furnished and}}{ ext{laid } ext{ } ext{laid } ext{ } ext{0}} = 2.145 \ ext{00}$	crete base and	wearing					
laid (a. 15c	surface furnish	ed and	0.11-	00			
	laid (<i>a</i> 15c		2,145	- 00			

. . . \$13.197 20 \$12,987 41

Carried forward ,

Brought forward. 730 s q u a r e feet artificial stone driveways, concrete base and wearing surface furnished and laid @ 15c. 1 cover reset @ \$3. 2 courses of brickwork laid	\$13,197 20 109 50 3 00	\$12.987 41
@ 50e	1 00	
Less 15 per cent retained,	\$13,310 70 1,996 61	11,314 09 \$24,301 50
Stuart street. Engineering Inspection Engineering expense Advertising Edgestone, 56 feet 7 inches circula		\$853 78 329 29 5 55 8 10
corners		164-81
		\$1,361 53
Washington street, from 69 feet soutl Length, 2,160 linear feet. Ar set and reset; granite block p joints and artificial stone sidew	ea, 11,762 squ aving laid; ec zalks construct	nare yards. Edgestone oncrete base and grout sed.
Engineering Inspection Engineering expense Adventising		\$1,291 93
Inspection		734 86
Engineering expense		$\frac{12}{7} \frac{75}{20}$
Advertising		7 20
28 small corners and 9 specials	ieet circular,	2,712 92
28 small corners and 9 specials Blocks, 210,413 large granite Tractor Labor, removing trees		23,713 56
Tractor		8 75
Labor, removing trees		275 12
Lumber		0 04
Tractor Labor, removing trees Lumber Teaming Labor		90 95
Labor		320 68
Credit: Bricks		\$29,174 56 15 40
		\$29,159 16.
Amount paid to Gore, Inc., under	contract:	Ψ20,100 10.
Removing trees, bushes, etc.	\$25 00	
3½ cubic yards rock excava-	25.00	
tion @ \$10	35 00	
1,562 linear feet straight edge- stone set @ 23c.	359 26	
190 linear feet circular edge- stone set @ 19c	36 10	
2,222 linear feet existing edge-	100 10	
stone reset @ 19c. 1,396 linear feet crushed stone and concrete foundation	422 18	
furnished and placed @ 20c	279 20	
Carried forward	\$1,156 74	\$29,159 1;

Brought forward 58 square yards existing granite block paying re-	\$1,156 74	\$29,159 16
laid, gravel joints, @		
65c	37 - 70	
7,229 square yards granite		
block paving laid, con-		
crete base, sand bed, as-		
phalt joints, @ \$2.45 .	17,711 05	
2,239 square feet artificial stone	,	
sidewalks, concrete base		
and wearing surface fur-		
nished and laid @ 17c	$380 \ 63$	
254 square feet artificial stone		
driveways, concrete base		
and wearing surface fur-		
nished and laid @ 21c. $$.	$53 \ 34$	
19 covers reset @ \$3	57 00	
27 courses of brickwork laid		
@ 50c	$13 \ 50$	
	\$19,409 96	
Less 15 per cent retained,	2,911 49	
		16,498 47
Amount paid to Boston Elevated R	ailway Com-	
pany:		
4,999 square yards paving barred		
out, blocks recut @		
\$ 1.13	\$5,648 87	
4,533 square yards concrete base		
and paving laid @ $$2.79$,	$12,647 \ 07$	10.007.04
		18,295 94
		63,953 57
GRANOLITHIC SIDEW	ALK CON	STRUCTION.
Beacon street (south side), at Brool	kline avenue.	(Hotel Buckminster.)
Length, 189 linear feet. Area,	2,706 square	feet. Edgestone reset
gutters repayed and artificial st		
Engineering		\$3 00
Advertising		2 15
Amount paid to Louis De Sisto &	c Co., under	
contract:		
902 square feet artificial stone		
foundation furnished and		
	#00 FF	
placed @ $2\frac{1}{2}$ c	\$22 55	
2,706 square feet artificial stone	\$22 55	
2,706 square feet artificial stone sidewalks, concrete base	\$22 55	
2,706 square feet artificial stone sidewalks, concrete base and wearing surface,		
2,706 square feet artificial stone sidewalks, concrete base	\$22 55 432 96	155 51
2,706 square feet artificial stone sidewalks, concrete base and wearing surface,		455 51 460 66
2,706 square feet artificial stone sidewalks, concrete base and wearing surface,		455 51 460 66
2,706 square feet artificial stone sidewalks, concrete base and wearing surface, furnished and laid @ 16c.,	432 96	460 66
2,706 square feet artificial stone sidewalks, concrete base and wearing surface, furnished and laid @ 16c., Blue Hill avenue (west side), from 21	432 96 7 feet south o	of Goodale road to Well-
2,706 square feet artificial stone sidewalks, concrete base and wearing surface, furnished and laid @ 16c., Blue Hill avenue (west side), from 21 ington Hill street. Length, 950	432 96 7 feet south of linear feet.	of Goodale road to Well-
2,706 square feet artificial stone sidewalks, concrete base and wearing surface, furnished and laid @ 16c., Blue Hill avenue (west side), from 21 ington Hill street. Length, 950 Artificial stone sidewalks constr	432 96 7 feet south of linear feet.	of Goodale road to Well-Area, 8,811 square feet.
2,706 square feet artificial stone sidewalks, concrete base and wearing surface, furnished and laid @ 16c Blue Hill avenue (west side), from 21 ington Hill street. Length, 950 Artificial stone sidewalks constructions.	432 96 7 feet south of linear feet.	of Goodale road to Well-Area, 8,811 square feet. \$107-87
2,706 square feet artificial stone sidewalks, concrete base and wearing surface, furnished and laid @ 16c., Blue Hill avenue (west side), from 21 ington Hill street. Length, 950 Artificial stone sidewalks construction. Engineering Inspection	432 96 7 feet south of linear feet. weted.	460 66 of Goodale road to Well-Area, 8,811 square feet. \$107 87 117 62
2,706 square feet artificial stone sidewalks, concrete base and wearing surface, furnished and laid @ 16c Blue Hill avenue (west side), from 21 ington Hill street. Length, 950 Artificial stone sidewalks constructions.	432 96 7 feet south of linear feet.	of Goodale road to Well-Area, 8,811 square feet. \$107-87

. \$228 59

Carried forward . . .

Brought forward	atten, under	\$228 51	
23 cubic yards rock excavation @ \$3.60	\$82 80)	
8,290 square feet artificial stone foundation furnished and placed $@4_4^3c$.	393 78		
8,811 square feet artificial stone sidewalks, concrete base	000 10		
and wearing surface fur- nished and laid @ 19c Extra Work — Take up, clean and relay the exist- ing under drain where directed:	1,674 09		
3941 11 6 79	317 00		
Plus 15 per cent on \$374.60,	57 60 56 19		
46 hours, double team, @ \$1 .	46 00		
64 hours, foreman, @ 90c Plus 15 per cent on \$374.60, 46 hours, double team, @ \$1 . 5 cubic yards cinders @ 90c.,	4 50	0.001.00	
		2,001 80	#2.000 FF
			\$2,860 55
Brooks street, from Hobart street to F Engineering expense			@O 0O
Bynner street, from Creighton street Area, 3,376 square feet. Reset	to Day st 123 feet st	reet. Length, traight edgeste	320 feet. one, set 4
small corners and repayed 63 s	-	-	onstructed
artificial atomo gidorralla	-	-	onstructed
artificial atomo gidorralla	-	-	onstructed
artificial atomo gidorralla	-	-	onstructed
artificial atomo gidorralla	-	-	onstructed
artificial atomo gidorralla	-	-	onstructed
artificial atomo gidorralla	-	-	onstructed
artificial atomo gidorralla	-	-	onstructed
artificial atomo gidorralla	-	-	onstructed
artificial atomo gidorralla	-	-	onstructed
artificial atomo gidorralla	-	-	onstructed
artificial atomo gidorralla		\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00	
small corners and repaved 63 s artificial stone sidewalks. Labor, edgestone excavating Labor, edgestone resetting Labor, gutters repaved Labor, dirt sidewalk excavating Labor, artificial stone sidewalk layin Teaming Gravel, $28\frac{1}{2}$ cubic yards Crushed stone, 19.55 tons Cement, 432 bags Lampblack, 42 pounds Edgestone corners, 2 small		\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00	\$1,280 47
artificial stone sidewalks. Labor, edgestone excavating Labor, edgestone resetting Labor, gutters repaved Labor, dirt sidewalk excavating Labor, artificial stone sidewalk layin Teaming Gravel, $28\frac{1}{2}$ cubic yards Crushed stone, 19.55 tons Cement, 432 bags Lampblack, 42 pounds Edgestone corners, 2 small	g	\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00	\$1,280 47
artificial stone sidewalks. Labor, edgestone excavating Labor, edgestone resetting Labor, gutters repaved Labor, dirt sidewalk excavating Labor, artificial stone sidewalk layin Teaming Gravel, $28\frac{1}{2}$ cubic yards Crushed stone, 19.55 tons Cement, 432 bags Lampblack, 42 pounds Edgestone corners, 2 small	g	\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00	\$1,280 47
artificial stone sidewalks. Labor, edgestone excavating Labor, edgestone resetting Labor, gutters repaved Labor, dirt sidewalk excavating Labor, artificial stone sidewalk layin Teaming Gravel, $28\frac{1}{2}$ cubic yards Crushed stone, 19.55 tons Cement, 432 bags Lampblack, 42 pounds Edgestone corners, 2 small	g	\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00	\$1,280 47
artificial atomo gidorralla	g	\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00	\$1,280 47
artificial stone sidewalks. Labor, edgestone excavating Labor, edgestone resetting Labor, gutters repaved Labor, dirt sidewalk excavating Labor, artificial stone sidewalk layin Teaming Gravel, $28\frac{1}{2}$ cubic yards Crushed stone, 19.55 tons Cement, 432 bags Lampblack, 42 pounds Edgestone corners, 2 small	g	\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00	\$1,280 47
artificial stone sidewalks. Labor, edgestone excavating Labor, edgestone resetting Labor, gutters repaved Labor, dirt sidewalk excavating Labor, artificial stone sidewalk layin Teaming Gravel, 28½ cubic yards Crushed stone, 19.55 tons Cement, 432 bags Lampblack, 42 pounds Edgestone corners, 2 small Corey street, from Centre street to Well Engineering Engineering expense	g	\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00 Work not start \$226 03 4 60	\$1,280 47 ded.)
artificial stone sidewalks. Labor, edgestone excavating Labor, edgestone resetting Labor, gutters repaved Labor, dirt sidewalk excavating Labor, artificial stone sidewalk layin Teaming Gravel, 28½ cubic yards Crushed stone, 19.55 tons Cement, 432 bags Lampblack, 42 pounds Edgestone corners, 2 small Corey street, from Centre street to Well Engineering Engineering expense	g	\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00 Work not start \$226 03 4 60	\$1,280 47 ded.)
artificial stone sidewalks. Labor, edgestone excavating Labor, edgestone resetting Labor, gutters repaved Labor, dirt sidewalk excavating Labor, artificial stone sidewalk layin Teaming Gravel, 28½ cubic yards Crushed stone, 19.55 tons Cement, 432 bags Lampblack, 42 pounds Edgestone corners, 2 small Corey street, from Centre street to Wel Engineering Engineering Engineering expense Cowper street, from Moore street abo linear feet. Area, 4,822 square stone sidewalks constructed.	g	\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00 Work not start \$226 03 4 60 easterly. Leestone set and	\$1,280 47 ded.)
artificial stone sidewalks. Labor, edgestone excavating Labor, edgestone resetting Labor, gutters repaved Labor, dirt sidewalk excavating Labor, artificial stone sidewalk layin Teaming Gravel, 28½ cubic yards Crushed stone, 19.55 tons Cement, 432 bags Lampblack, 42 pounds Edgestone corners, 2 small Corey street, from Centre street to Wel Engineering Engineering Engineering expense Cowper street, from Moore street abo linear feet. Area, 4,822 square stone sidewalks constructed.	g	\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00 Work not start \$226 03 4 60 easterly. Leestone set and	\$1,280 47 ded.)
artificial stone sidewalks. Labor, edgestone excavating Labor, edgestone resetting. Labor, gutters repaved. Labor, dirt sidewalk excavating Labor, artificial stone sidewalk layin Teaming. Gravel, 28½ cubic yards. Crushed stone, 19.55 tons. Cement, 432 bags. Lampblack, 42 pounds. Edgestone corners, 2 small. Corey street, from Centre street to Wellengineering. Engineering expense. Cowper street, from Moore street about linear feet. Area, 4,822 square stone sidewalks constructed. Engineering. Inspection.	g	\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00 Work not start \$226 03 4 60 easterly. Lestone set and \$84 04 55 36	\$1,280 47 ded.)
artificial stone sidewalks. Labor, edgestone excavating Labor, edgestone resetting. Labor, gutters repaved. Labor, dirt sidewalk excavating Labor, artificial stone sidewalk layin Teaming. Gravel, 28½ cubic yards. Crushed stone, 19.55 tons. Cement, 432 bags. Lampblack, 42 pounds. Edgestone corners, 2 small. Corey street, from Centre street to Wellengineering. Engineering expense. Cowper street, from Moore street about linear feet. Area, 4,822 square stone sidewalks constructed. Engineering. Inspection.	g	\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00 Work not start \$226 03 4 60 easterly. Lestone set and \$84 04 55 36	\$1,280 47 ded.)
artificial stone sidewalks. Labor, edgestone excavating Labor, edgestone resetting. Labor, gutters repaved. Labor, dirt sidewalk excavating Labor, artificial stone sidewalk layin Teaming. Gravel, 28½ cubic yards. Crushed stone, 19.55 tons. Cement, 432 bags. Lampblack, 42 pounds. Edgestone corners, 2 small. Corey street, from Centre street to Wellengineering. Engineering expense. Cowper street, from Moore street about linear feet. Area, 4,822 square stone sidewalks constructed. Engineering. Inspection.	g	\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00 Work not start \$226 03 4 60 easterly. Lestone set and \$84 04 55 36	\$1,280 47 ded.)
artificial stone sidewalks. Labor, edgestone excavating Labor, edgestone resetting Labor, gutters repaved Labor, dirt sidewalk excavating Labor, artificial stone sidewalk layin Teaming Gravel, 28½ cubic yards Crushed stone, 19.55 tons Cement, 432 bags Lampblack, 42 pounds Edgestone corners, 2 small Corey street, from Centre street to Wel Engineering Engineering Engineering expense Cowper street, from Moore street abo linear feet. Area, 4,822 square stone sidewalks constructed.	g	\$29 00 38 25 33 00 212 50 413 75 170 00 41 44 36 98 285 79 11 76 8 00 Work not start \$226 03 4 60 easterly. Lestone set and \$84 04 55 36	\$1,280 47 ded.)

D 1.1. f 1		Ø1 100 00	
Brought forward Amount paid to Holbrook Constru	iction Com-	\$1,180 83	
pany, under contract:			
588 linear feet straight edge-	0.111 70		
stone set @ 19c	\$111 72		
26 linear feet eireular edge-			
stone set @ 30c	7 80		
23 linear feet existing edge-			
stone reset @ 19e	4 37		
6 square yards existing gran-			
ite block paving relaid,	4.50		
gravel joints, @ 75e.	4 50		
4,522 square feet artificial stone			
foundation furnished and	100.00		
placed @ 4c.	180 88		
4,522 square feet artificial stone			
sidewalks, concrete base			
and wearing surface, fur-	500 54		
nished and laid, @ 17e	768 74		
301 square feet artificial stone			
driveways, concrete base			
and wearing surface, fur-			
nished and laid, @ $25e$	$75 \ 25$		
		1,153 26	
			\$2,334 09
Euclid street, from Washington stree	t to Withingto	on street L	ength 431
linear feet. Area, 5,020 square	feet Edges	tone set gra	nite block
gutters laid and artificial stone s	idewalks const	trueted	mice block
77	rac warms come		
Engineering		\$58 38 61 36	
Inspection Engineering expense		3 65	
Engineering expense			
Advertising	1 10	2 60	
Edgestone, 520 feet straight ar	id 10 sman	1 062 02	
Blocks, 7,200 old		1,063 23	
		216 00	
Amount paid to Metzger & Tratter	n, unaer con-		
traet:			
520 linear feet straight edge-	000 00		
stone set @ 19c	\$98 80		
29 linear feet circular edge-	1		
stone set @ 19e	5 51		
164 linear feet existing edge-	01 10		
stone reset @ 19c.	31 16		
168 square yards granite block			
payement hauled and			
laid, sand bed, gravel	00.00		
joints, @ $58\frac{1}{2}e$.	98 28		
106 square yards existing gran-			
ite block paving relaid, sand bed, gravel joints,			
sand bed, gravel joints,			
$(0.55\frac{1}{2}e.$	58 83		
4,876 square feet artificial stone			
foundation furnished and			
placed @ $4\frac{3}{4}e$	231 61		
4,495 square feet artificial stone			
sidewalks, concrete base			
and wearing surface, fur-			
nished and laid, @ 19e	$854 \ 05$		
		0.1.00	
$Carried\ forward\ .$	\$ 1,378 24	\$1,405 22	

Brought forward. 525 square feet artificial stone driveways, concrete base and wearing surface, furnished and laid, @ 28c. 2 covers reset @ \$3 1 Bradley-head catch-basin reset @ \$5 Extra work — Remove the existing edgestone and put in new driveway at No. 5 Euclid street: 15 hours' labor @ 50c. 1 hour, stonecutter, @ 90c., Plus 15 per cent on \$8.40,	\$1,378 24 147 00 6 00 5 00 7 50 90 1 26	\$1,405 22 1,545 90	
			\$2,951 12
Fairbanks street, from Washington str linear feet. Area, 11,862 square stone sidewalks constructed.			
Engineering		\$95 20	
Inspection Engineering expense		141 89 60	
Advertising Edgestone, 1,563 feet straight, 19 f	oot oiroular	6 80	
and 38 small corners	· · ·	3,306 78	
Amount paid to John McCourt under contract:	Company,		
1,562 linear feet straight edge- stone set @ 24c	\$374 88		
145 linear feet circular edge-	94.00		
stone set @ 24c 6 linear feet existing edge-	34 80		
stone reset @ 24c. 572 square feet artificial stone	1 44		
$egin{array}{ll} ext{foundation} & ext{furnished} \ ext{and placed} & 2c. \ & . \end{array}$	11 44		
10,691 square feet artificial stone s i d e w a l k s, concrete base and wearing sur-	11 11		
face, furnished and laid, @ 18c	1,924 38		
1,171 square feet artificial stone driveways, concrete base	,,		
and wearing surface, fur- nished and laid, @ 18c.,	210 78		
14 covers reset @ \$3	$\frac{210}{42} \frac{10}{00}$		
6 courses of brick work laid @ 50c.	3 00		
Extra work — Remove tree stumps in sidewalk not shown on plan and cut edgestone for a d d i t i o n a l driveways not shown on plan:	3 00		
12 hours' labor @ 40c 8 hours, stonecutter, @ \$1,	$\frac{4}{8} \frac{80}{00}$		
Carried forward	\$2,615 52	\$3,551 27	

$Brought\ forward$ Plus 15 per cent on \$12.80	\$2,615 52 1 92	\$3,551 27 2,617 44	\$6,168 71
Hemenway street (west side), from Mus Length, 275 linear feet. Area, 2 gutters repayed and artificial stor	2,585 square	feet. Edgest	northerly.
Engineering		\$3 00 2 15	
contract: 250 linear feet existing edge-			
stone reset @ 25c 82 square yards existing gran- ite block paving relaid, sand bed, gravel joints,	\$62 50		
@ 70c	57 40		
646 square feet artificial stone foundation furnished and			
laid @ $.02\frac{1}{2}$ e	16 15		
2.585 square feet artificial stone sidewalks, concrete base			
and wearing surface, fur-	413 60		
nished and laid, @ 16c 2 eovers reset @ \$3	$6\ 00$		
1 course of brickwork laid	50		
(a) 50e		556 - 15	
Credit: Bricks		\$561 30 42 00	<u>\$519_30</u>
Hemenway street (east side), from Ba	tavia street	to Gainsboro	igh street.
Length, 191 linear feet. Area,	1,845 square	feet. Edgest	one reset,
gutters repayed and artificial stor Engineering	ne sidewarks	\$3 00	
Advertising		2 15	
Amount paid to Louis De Sisto & contract:	Co., under		
207 linear feet existing edge- stone reset @ 25c	\$51 75		
73 linear feet existing granite	Ų01 1 0		
block pavement relaid, sand bed, gravel joints,			
@_70e	51 10		
615 square feet artificial stone foundation furnished and			
laid @ $2\frac{1}{2}e$	15 38		
sidewalks, concrete base			
and wearing surface, fur- nished and laid, @ 16c	295 20		
1 Bradley head catch-basin			
reset @ \$5	5 00		
@ 50e	1 00	419 43	
		419 40	\$424 58

Linden street, from done in 1920.	Brighte	n aven	ue to	Con	mon	wealth	avenue	. Work
T3 ' '								\$0.30
Maple street, from (Dak stree	et to Pi	ne stre	eet.	Worl	c not st	arted.	
Engineering .						\$15	1 03	
Engineering . Engineering expe	nse .						3 40	
								\$154 43
Moore street, from E	Benningt	on stree	t to C	owpe	r stre	et. Le	ngth, 7	28 linear
feet. Area, 8,	756 squ	are fee	t. Ec	igesto	one s	et and	artifici	al stone
sidewalks cons	tructed.					e at en	a orsu 7 os	reet.
${ m Engineering}$. Inspection .			•	•	•	\$107 112	5 57	
Engineering expe	nse .				•		4 85	
Advertising .				·	·		6 70	
Edgestone, 1,081	feet str	aight ai	66 ba	feet	cir-			
cular						2,213	8 74	
						\$2,45	2 01	
Credit: Bricks							7 00	
Cledit. Dileks		•	•	•	•			
						\$2,44	5 91	
Amount paid to	Holbroo	k Cons	tructio	on Co	om-			
pany, under co	ntract:							
1,013 linear feet	straigh	t edge	-	2.00				
stone set	@ 19c.	. ,		\$192	47			
67 linear feet		r eage	-	90	10			
stone set 186 linear feet	@ 50c.	a odgo		20	Į0			
stone res	et @ 19	g euge		35	34			
8,756 square feet			ż	- 00	01			
foundation								
placed @				350	24			
8,756 square feet								
sidewalk								
and wear				1 100	50			
nished ar 6 Bradley he				1,488	32			
reset @		п-вази	3	30	00			
8 courses of		ork laid	i	.50	00			
@ 50e				4	00			
64 linear fee	et wood	d fence	e					
built @	\$1.20.			76	80			
76 square ya ing laid	ras stoj @ \$10	pe pav	-	76	00			
ing and	(t) \$10	•	•	-70		2,315	47	
						2,010		\$4.761.38
Oak street, from Hy	de Park	avenue	to M	aple	street			
Engineering				Ť.		. \$148	-00	
Engineering expo	ense .					. 8	3 40	
								\$151 40
							_	
Orchard street, from feet. Area, 20	n Centre	e street	to P	and s	treet.	Leng	th, 1,5	70 linear
feet. Area, 20),635 sq	are fee	t. E	agest	one re	eset, gu	tters re	elaid and
artificial stone		s const	ructed	١.		6 02	3 95	
Engineering . Inspection .		•		•	•		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
mobecann .		•		•	•			
Carried forwar	d					\$49	6 37	

D			0.400 OF
Brought forward			\$496 37
Engineering expense		•	5 10
Advertising			$\frac{6}{05} \frac{50}{70}$
Edgestone, 12 small corners .		•	95 76
			\$603 73
Credit: Bricks			42 00
Credit. Bricks		•	42 00
			\$561 73
Amount paid to Andrews Constru	etion Co	m-	\$301.13
pany, under contract:	icuon co	***	
Removing trees, bushes,			
etc	\$25	00	
1½ cubic yards rock excava-	*		
tion @ \$5	7	50	
2,909 linear feet existing edge-	•	00	
stone reset @ 20c.	581	80	
1,023 square yards existing			
granite block paving re-			
laid, gravel joints, @			
40c	409	20	
463 square feet artificial stone			
foundation furnished			
and placed @ 1c	4	63	
19,436 square feet artificial stone			
sidewalks, concrete base			
and wearing surface, fur-			
nished and laid, @ $19\frac{1}{2}c.$,	3,790	02	
1,199 square feet artificial stone			
driveways, conc r e t e			
base and wearing sur-			
face, furnished and laid,			
@ 20c	239		
1 cover reset @ \$3	3	00	
Extra work — R e m o v e			
existing edgestone and			
construct additional			
driveways as directed:	10	50	
13½ hours, stonecutter, @ \$1 . 38 hours' labor, @ 40c	13		
38 hours labor, @ 40c	15	31	
Plus 15 per cent on \$28.70,	4	91	
7 hours, double team, @	10	50	
\$1.50		57	
$1\frac{1}{2}$ hours, auto truck, @ \$4.38		37	5,111 03
			
			\$5,072 10
starbarerah street (south side) at Vo	se 10 and	.19	Langth Ollinsor foot
eterborough street (south side), at No Area, 673 square feet. Edgest	one reset	TZ.	ttors repoyed and arti-
ficial stone sidewalks constructed	dic 10300,	gu	eters repaired and arti-
Engineering			\$1 00
Advertising			2 15
Amount paid to Louis DeSisto, unc	ler contra	et.	2 10
224 square feet artificial stone	aci contra		
foundation furnished and			
placed @ $2\frac{1}{2}c$	\$5	60	
673 square feet artificial stone	4.5	~ ~	
sidewalks, concrete base			
and wearing surface, fur-			
nished and laid, @ 16c.	. 107	68	
mencuanara, @ 100.			113 28
			

Pine street, from Hyde Park a Engineering expense							started.) \$3 20
Repairing artificial stone Broadway.	sidev	valk	s.	On	Prov	vidence stree	et and on
Amount paid to John Land	tonos	sidev	val	ks rel	aid		
(a) 27c. 48 hours' labor (a) 40c. 6 hours, edgestone sette						\$547 83 19 20	
6 hours, edgestone sette	er, @	\$1		•		6 00	
12 hours, foreman, @ \$1 4 covers reset @ \$3						$\begin{array}{c} 12 \ 00 \\ 12 \ 00 \end{array}$	
						\$597 03	
Discount 2 per cent	•		•		٠	11 94	\$585 09
South street, from Archdale linear feet. Area, 20,29 dry wells constructed ar	road 1 squ ad art	to are	Wa fee	shing t. E	gton Edges	street. Lenstone set and	ngth, 2,040 reset, two
Engineering				,		\$190 74	detect.
Inspection	:					383 44	
Inspection Engineering expense . Advertising		•	٠	•		3 95 7 00	
Edgestone, 2,714 feet straig	tht, 33	$8\mathrm{sm}$	all	corne	ers,	5,766 88	
Amount paid to Charles St tract:	ruzzi	ery,	un	der c	on-		
Removing trees, bushe				\$25	00		
2,651 linear feet straight stone hauled and							
25c	. مراس			662	75		
237 linear feet circular stone set @ 30c.	eage	; -		71	10		
305 linear feet existing) -		6.1	00		
stone reset @ 20c 581 linear feet crushed		.e		01	UU		
and concrete for							
tion furnishedand @ 10e	prace			58	10		
20,291 square feet artificia							
foundation fur and placed @ 2c.		u		405	82		
19,129 square feet artificia							
sidewalks, concre and wearing surfa							
nished and laid, @ 1,162 square feet artificia				2,869	35		
driveways, concre							
and wearing surfa				581	00		
nished and laid @ 11 covers reset @ \$3	oue.	•			00		
2 courses of brickwo	rk lai	id					
@ 50c 2 dry wells construc	tod ((a)		1	00		
\$10				20	00		
Extra work — Extra work as directed:		te					
$2\frac{1}{2}$ cubic yards rock		ı-					
vated @ \$6 .				15	00		
${\it Carried\ forward\ }$.			\$	4,803	12	\$6,352 01	

Brought forward Extra work — Remove buried stumps and construct additional driveways as directed: 3\frac{3}{8} days, edgestone setter, @ \$9 5\frac{1}{8} days' labor @ \frac{4}{8} Plus 15 per cent on \frac{5}{0.88}, 1 bag cement @ \frac{5}{1} 2 tons crushed stone @ \frac{2}{2} 21 nights' lighting @ 50c. 2 gallons kerosene @ 20c. Extra work — Cut straight	7 1 4		\$6,352	01
edgestone to set around curves: 4 days, stone cutter, @ \$9. Plus 15 per cent on \$36.	36 5	00 40	4,918	93 \$11,270 94
Sycamore street, from Ashland street t Execution of court paid to John resulting from building artifi 1917	A. Nelse	on fo	or dama	ges in . \$200 00
Wachusett street, from Weld Hill street linear feet. Area, 11,041 squar gutters laid and artificial stone Engineering. Engineering expense. Engineering expense. Advertising. Labor, setting edgestone. Blocks, 30,405, old granite. Edgestone, 2,050 feet straight, 82 and 14 small corners. Teaming.	e feet. F	Edge con	stone set, structed. \$325 280 3 2 912 4,160 22 \$5,708	57 27 40 60 50 15 00 50
Credit: bricks	atten, und	ler	\$5,702	10 89
contract: Removing trees, bushes, etc	\$75	00		
tion @ \$3.60 2,051 linear feet straight edge-	129	60		
stone set @ 19c 120 linear feet circular edgestone set @ 19c	389 22			
464 linear feet existing edge- stone reset @ 19c. 1,219 linear feet crushed stone and concrete foundation furnished and placed @	88			
$18\frac{1}{2}$ c	225	51		_
Carried forw a rd	\$930	76	\$5,702 8	9

Brought forward . 762 square yards granite block pavement hauled and	\$930 76	\$5,702 89	
laid, sand bed, gravel joints, @ $58\frac{1}{2}$ c	445 77		
48 square yards existing gran- ite block paving relaid, sand bed, gravel joints,	22.24		
$0.55\frac{1}{2}$ c	26 64		
sidewalks relaid @ 50c.,	3 50		
11,041 square feet artificial stone foundation furnished			
and placed @ $4\frac{3}{4}$ c 10,628 square feet artificial stone	$524 \ 45$		
sidewalks, concrete base			
and wearing surface fur- nished and laid, @ 19c	2,019 32		
413 square feet artificial stone driveways, concrete base			
and wearing surface fu r-			
nished and laid, @ 28c Extra work — Reset the	115 64		
edgestone that has set- tled on account of the			
construction of new	•		
catch-basins: 4 hours', edgestone setter @			
90c	$\begin{array}{ccc} 3 & 60 \\ 6 & 25 \end{array}$		
Plus 15 per cent on \$9.85 \cdot .	1 48		
		4,077 41	9,780 30
RECONSTRUCTING AND		G STREE	IS BY
	RACT.	/XX:144	- m4 - d \
Adams street, from King street to Y Engineering	inot street.		artea.)
Engineering expense		80	\$10 80
Amory street, from Green street to (Work done in 1919.)	140 feet nort	th of Atherto	on street.
Engineering			\$14 00
Arlington street, from Market street feet. Area, 1,905 square yards.	. Edgestone s	et and reset.	Simasco
pavement laid on old macadam walks constructed.	foundation ar	nd a r tificial st	one side-
Engineering		\$57 50 40	
Amount paid to Simpson Brothers	Corporation,	10	
under contract: 307 linear feet straight edge-			
stone set @ 35c 52 linear feet circular edge-	\$107 45		
stone set @ 40c	20 80		
Carried forward	\$128 25	\$57 90	
·			

$Brought\ forward$	\$128	25	\$57	90	
119 linear feet existing edge-					
stone reset @ 30c	35	70			
412 linear feet crushed stone					
and concrete foundation					
furnished and placed @					
35c	144	20			
27 square yards existing gran-					
ite block paving relaid,	07	00			
gravel joints, @ \$1	27	00			
3 square yards existing gran-					
ite block paving relaid in					
driveways and edgings,					
gravel base, sand bed, grout joints, @ \$2	6	00			
1,875 square yards Simasco pave-	U	00			
ment furnished, laid, @					
\$2.50	4,687	50			
6,363 square feet artificial stone	1,007	90			
foundation furnished and					
placed @ 6c	381	78			
6,011 square feet artificial stone	001	• ~			
sidewalks, concrete base					
and wearing surface fur-					
nished and laid @ 26c	1,562	86			
352 square feet artificial stone	,				
driveways, concrete base					
and wearing surface fur-					
nished and laid @ 33c	116				
2 covers reset @ \$3	6	00			
2 courses of brick work					
laid @ 50c	1	00			
T ('11' 4000	\$7,096				
Less amount paid in 1920.	2,001	28	~ 00 ~		
			5,095	17	05 159 O7
Artificial stone sidewalks:					\$5,153 07
Rebates allowed			\$7.611	0.3	
Repairs			\$7,611 603		
Repairs		•	003	20	\$8,214 23
					\$0,21 4 20
Asphalt and bitulithic pavements repe	nired. Bi	itum	inous par	vem	ents upon
which the maintenance has ex-			1		1
			66 400	-0	
Engineering			\$6,408	99	
Inspection			$3,671 \\ 214$	38	
Export convices on leboratory		•	$\frac{214}{62}$		
Expert services on laboratory . Advertising		•		50	
Amount paid to Bermudez Con	nnany 6	no l	19	90	
payment on contract for work do	mpany, n	nai	4,258	63	
Amount paid to Rowe Contractin			1,200	00	
under contract:	g Compa	ц,			
20,757.77 square yards bitu-					
minous wearing sur-					
face and binder fur-					
nished and laid (May					
6, 1921, to January					
20, 1922) @ \$2.10 .	\$43,591	32			
	0.40			~ -	
Carried forward	\$43,591	32	\$14,629	25	

Brought forward	\$43,591 32	\$14,629 25
minous pavement re- surfaced @ \$1 . 45.06 cubic yards extra bitu-	6,875 95	
minous binder fur- nished and laid @ \$14	630 84	
659.32 square yards concrete base furnished and		
laid @ \$2.25 102 covers reset @ \$3 .	$^{1,483\ 47}_{306\ 00}$	
	#50 007 50	
Less 5 per cent retained	$$52,887 58 \\ 2,644 38$	
Ecs. 5 per cent retained		50,243 20
		\$64,872 45
	(D. 11)	
Beacon street and Chestnut Hill aven inclusive, Cleveland circle). 11,833 square yards. Edgestone	Length, 1,50 set, roadway	06 linear feet. Area on Beacon street paved
with asphalt concrete pavemer Cleveland circle on 6-inch conc	it on macaus	ear tracks were payed
with recut granite blocks, grout	ioints, the bri	dle path was regraveled
and the loam spaces and circle lo	oamed, graded	and seeded.
Engineering		\$996 94
Inspection		388 65
Engineering expense		1 50
Photographs		$\frac{4}{149} \frac{35}{19}$
Teaming		350 00
Edgestone, 1,238½ feet straight, 1,	119 feet eir-	330 00
cular and 14 small corners .		5.383 21
Blocks, 40,313 recut granite .		2,418 78
Amount paid to John J. Lane under contract:	250.00	
Removing trees, bushes, etc. 1,770 cubic earth excavation @	\$50_00	
\$1	1,770 00	
48 cubic yards rock excavation @ \$3.75	180 00	
198 cubic yards extra exeava- tion @ \$1.50	297 00	
220 tons crushed stone fur-		
nished, placed watered	220.00	
and rolled @ \$3 . 1,390 linear feet straight edge-	660-00	
stone set @ 19e	264 10	
1,221 linear feet circular edge-		
stone set @ 25e.	$305 \ 25$	
272 linear feet existing edge- stone reset @ 20c	54 40	
13 square vards existing gran-	94 40	
13 square yards existing gran- ite block paving relaid,		
sand bed, gravel joints @	0.10	
70c	9 10	
551 square yards granite block paying recut and relaid		
in dummy and brows,		
concrete base, sand bed,		
grout joints @ \$3.80 .	2,093 80	
Carried forward	\$5,683 65	\$9,692 62

Brought forward 27 square yards existing gran- ite block pavement relaid in edgings, concrete base,	\$ 5,683 65	\$9,692 62
sand bed and grout joints,		
@ \$3.05	$82 \ 35$	
112 square yards existing gran-		
ite block paving relaid in		
edgings, gravel base, sand		
bed and grout joints @ \$2	$224 \ 00$	
7,070 square yards concrete base		
and asphalt concrete sur-		
face layer furnished and		
laid @ \$3.10	21,917 00	
4,060 square yards asphalt con-		
crete pavement surface		
layer furnished and laid,		
macadam foundation, @		
\$1.80	7,308 00	
9,489 square feet artificial stone		
foundation furnished and		
placed @ 2c	189 78	
9,489 square feet artificial stone		
sidewalks, concrete base		
and wearing surface fur-		
nished and laid @ 17c.	1,613 13	
7 covers reset @ \$3	$21 \ 00$	
9 courses of brickwork laid		
@ 50c	$4 \ 50$	
130 cubic yards loam hauled		
and placed @ 70c	91 00	
667 square yards loam graded		
and seeded @ 20c	133 40	
427 square yards bridle path		
graded and shaped @ 50c.	$213 \ 50$	
Extra Work — Furnish a		
loam and manure mix-		
ture and grade same in		
circular area of Cleveland		
circle:		
1,011 cubic yards loam and man-		
ure mixture furnished	0.000.00	
and graded @ \$2 Extra Work — Furnish	2,022 00	
stonecutter to cut gutter-		
mouths in catch-basin stones:		
7 days stonecutter @ \$8 .	56 00	
Plus 15 per cent on \$56	8 40	
rids 19 per cent on \$50 .	3 40	39,567 71
		\$49,260 33
		\$10,200 SS
Beacon street, from Massachusetts av	zenue to Ralei	gh street. (Work done
in 1920.)	ondo to reale.	gn street. (Work done
Engineering		\$15 80
Engineering expense		56 13
Services of expert, analyzing, etc.		25 02
		
		\$00 DO
Belgrade avenue, from Belgrade street	to South stree	et. (Work not started.)
Engineering		\$435 S0
Engineering expense		7 50
		\$443 30
		\$110 OO

Berkeley street, from Columbus avenue to Providence street. (Wo started.)	rk not
Blocks	\$15 00
Blackstone street, from Clinton street to Haymarket square. (Wor in 1920.)	k done
,	\$67_61
Blue Hill arenue, from Talbot avenue to Morton street. (Workstarted.)	rk not
Engineering	
<u>\$</u>	345 40
Boylston street, from Amory street to Centre street. (Work not street Engineering	arted.) \$20 00
Bremen street, from 230 feet northeast of Mayerick street to Porter	street.
Length, 1,239 linear feet. Area, 4,059 square yards. Edg set, second-hand granite block pavement laid with grout joi gravel base and artificial stone sidewalks constructed on the	estone nts on north
side. \$347 66 Engineering \$347 66 Inspection 332 28 Engineering expense 5 40 Advertising 3 70 Expect exprises 9 00	
Inspection	
Engineering expense	
Expert services	
Edgestone, 280 feet straight and 38 feet circular, 629 39	
Blocks, 14,045 old granite	
A 7 10 00	
\$1,749 68 Credit: Bricks	
Credit. Bricks	
\$1,731 08	
Amount paid to Coleman Brothers, Inc., under	
contract:	
271 linear feet straight edge- stone set @ 30c \$81 30	
61 linear feet circular edge-	
$\mathbf{stone} \ \mathbf{set} \ @ \ 50\mathbf{e.} \qquad . \qquad \qquad 30 \ 50$	
1,469 linear feet existing edge-	
stone reset @ 30c 440 70 25 square yards existing gran-	
ite block paving relaid,	
ite block paving relaid, gravel joints, @ \$1	
3,948 square yards granite block	
pavement hauled and laid, gravel base, sand	
bed and grout joints, @	
\$1.70 6,711 60	
111 square yards existing gran-	
ite block pavement re- laid, gravel base, sand	
bed and grout joints, @	
\$1.50	
44 square yards brick side-	
walks hauled and laid (a)	
\$1	
Carried forward \$7,499 60 \$1,731 08	

Engineering	Brought forward 200 square yards existing brick sidewalks relaid @ 90c, 7,149 square feet artificial stone sidewalks, concrete base and wearing surface, furnished and laid, @ 22c. \$2 square feet artificial stone driveways, concrete base and wearing surface, furnished and laid, @ 25c, 14 covers reset @ \$3 12 courses of brickwork laid @ 50c.	180 00 1,572 78 20 50 42 00 6 00	\$1,731 08 9,320 88 \$11,051 96
**Centre street, from Allandale street to South street. Length, 6,502 linear feet. Area, 17,084 square yards. Filling, edgestone reset, sheet asphalt pavement laid, retaining wall constructed and artificial stone sidewalks constructed. Engineering	Durke street, from Tremont street to	Columbus av	
feet. Area, 17,084 square yards. Filling, edgestone reset, sheet asphalt pavement laid, retaining wall constructed and artificial stone sidewalks constructed. Engineering			3 10
Inspection	feet. Area, 17,084 square yaa asphalt pavement laid, retaining	rds. Filling,	edgestone reset, sheet
Carried forward \$5,535 10 \$2,125 04	Inspection Engineering expense Labor, removing trees Labor and materials, building drai Teaming Amount paid to the Bermudez Con contract: 334.5 cubic yards earth excava- tion @ \$2.50 3.6 cubic yards rock excava- tion @ \$10 1,242 cubic yards gravel filling furnished @ \$2.50 . 115 cubic yards extra excava- tion @ \$3 . 788 tons crushed stone fur- nished, placed, watered and rolled, @ \$4 . 372 linear feet straight edge- stone set @ 45c 333 linear feet existing cdge- stone reset @ 40c. 161 square yards existing granite block paving taken up, hauled and relaid in hips, gravel joints, @ \$2 . 3,205 square yards shoulders graded, shaped, watered and rolled, @ 45c	\$836 25 36 00 3,105 00 345 00 167 40 133 20 322 00 1,442 25	53 70 1 10 626 10 485 50 401 46
	Carried forward	\$9,539 10	\$2,125 64

^{*} See Highways, making of.

Brought forward 17,521 square yards bituminous concrete binder and as-	\$9,539	10	\$2,125	64		
phalt wearing surface, furnished and laid on macadam foundation.@						
\$2.89	50,635	69				
and placed @ 12c 1,540 square feet artificial stone sidewalks, concrete base	184	80				
and wearing surface, fur- nished and laid, @ 35c., 25 covers reset @ \$3	539 75	00 00				
17 courses of brickwork laid @ 50c.	8	50				
Furnishing all materials and constructing wall						
and fence 62.5 linear feet wood fence	7,700	00				
built @ \$2.25	140	63				
Less amount paid in 1920,	\$68,822 61,655					
Less amount charged to	\$7,167	59				
highways, making of .	1,100	71	0.000	00		
gays, maning or			n Hinn			
			6,066		\$8,192	52
						
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed.	across H cadam fo	yde s undat	quare.	Len	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed.	across H cadam fo	yde s undat	quare. tion and	Len arti	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed.	across H cadam fo	yde s undat	quare. ion and \$1,336 1,054	Len arti 83 26	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed. Engineering	across H cadam fo	yde s undat	quare. sion and \$1,336 1,054 44	Len arti 83 26 45	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed. Engineering	cadam fo	undat	quare. sion and \$1,336 1,054 44	Len arti 83 26 45 90	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed. Engineering	cadam fo	undat	quare. sion and \$1,336 1,054 44 9 32	Lenarti 83 26 45 90 00	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed. Engineering	cadam fo	undat	quare. sion and \$1,336 1,054 44 9 32 3,267	Len arti 83 26 45 90 00 32	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed. Engineering	cadam fo	undat	quare. sion and \$1,336 1,054 44 9 32	Len arti 83 26 45 90 00 32	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed. Engineering	cadam fo	undat	quare. sion and \$1,336 1,054 44 9 32 3,267	S3 26 45 90 00 32 00 76	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed. Engineering	cadam fo	undat	quare. sion and \$1,336 1,054 44 9 32 3,267 2,286 \$8,430 49	Len arti 83 26 45 90 00 32 00 76 00	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed. Engineering	cadam fo	undat	quare. tion and \$1,336 1,054 44 9 32 3,267 2,286 \$8,430	Len arti 83 26 45 90 00 32 00 76 00	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed. Engineering	cadam fo	undat ar,	quare. sion and \$1,336 1,054 44 9 32 3,267 2,286 \$8,430 49	Len arti 83 26 45 90 00 32 00 76 00	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed. Engineering	cadam fo	undat ar, ler	quare. sion and \$1,336 1,054 44 9 32 3,267 2,286 \$8,430 49	Len arti 83 26 45 90 00 32 00 76 00	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed. Engineering Inspection Engineering expense Expert services Photographs Edgestone, 2,000 feet straight, 192 f 10 small corners and 2 special ste Blocks, 38,100 recut granite Credit: Bricks Amount paid to B. E. Grant Compeontract: 58 cubic yards rock excavation @ \$5 980 tons crushed stone furnished, placed watered and rolled, @ \$3 1,946 linear feet straight edge-	cadam fo		quare. sion and \$1,336 1,054 44 9 32 3,267 2,286 \$8,430 49	Len arti 83 26 45 90 00 32 00 76 00	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed. Engineering	eet circul pany, und \$290 2,940 428	undat	quare. sion and \$1,336 1,054 44 9 32 3,267 2,286 \$8,430 49	Len arti 83 26 45 90 00 76 00	igth, 3	270
Centre street, from Columbus avenue feet. Asphalt concrete laid on ma sidewalks constructed. Engineering Inspection Engineering expense Expert services Photographs Edgestone, 2,000 feet straight, 192 f 10 small corners and 2 special sto Blocks, 38,100 recut granite Credit: Bricks Amount paid to B. E. Grant Comp contract: 58 cubic yards rock excava- tion @ \$5 980 tons crushed stone fur- nished, placed watered and rolled, @ \$3 1,946 linear feet straight edge- stone set @ 22c.	cadam fo	undat	quare. sion and \$1,336 1,054 44 9 32 3,267 2,286 \$8,430 49	Len arti 83 26 45 90 00 76 00	igth, 3	270

Brought forward	\$3,708 50	\$7,981 76	
5,205 linear feet existing edge- stone reset @ 20c	1,041 00		
105 linear feet crushed stone and concrete foundation	1,011 00		
and concrete foundation furnished and placed @			
15c	15 75		
36 square yards existing gran- ite block paving relaid,			
gravel joints @ \$1 .	36 00		
543 square yards existing gran- ite block paving recut			
and relaid in brows of car			
tracks, concrete base, sand bed and grout joints,			
@ \$3	1,629 00		
9 square yards granite block			
paving recut and relaid in edgings and driveways,			
concrete base, sand bed	97.00		
and grout joints, @ \$3. 4,542 square yards existing gran-	27 00		
ite block paving recut and relaid, concrete base,			
sand bed and grout joints,			
@ \$3	13,626 00		
2,645 square yards concrete base and asphalt concrete sur-			
face layer furnished and	7 979 75		
laid, @ \$2.75	7,273 75		
crete pavement surface			
layer, furnished and laid on macadam foundation,			
@ \$1.50	11,796 00		
6,688 square feet artificial stone sidewalks, concrete base			
and wearing surface, fur-	1 190 00		
nished and laid @ 17c. 74 square feet artificial stone	1,136 96		
driveways, concrete base			
and wearing surface, furnished and laid, @ 25c.	18 50		
$26 ext{ covers reset } ext{@} \3	78 00		
24 courses of brickwork laid @ 50c.	12 00		
Less 5 per cent retained .	\$40,398 46 2,019 92		
Less amount charged to	*\$38,378 54		
Centre street, from Boyls-	0.000 *4		
ton street to Green street,	9,023 56	29,354 98	
Amount paid to Boston Elevated F	Railway Com-		
pany: 1,403.7 square yards of block pavid	ng in dummy		
barred out, blocks recut, o	concrete base		
made and paving laid, @	φο.94	5,502 50	42,839 24

^{*} Includes measurements for Centre street, from Boylston street to Green street.

Edgestone set, Topeka pavement sidewalk laid on the east side and	ar feet. Area laid on maca	a, 3,622 square yards. dam foundation, brick
on the west side.		899 94
Engineering		\$33 34 60
Engineering expense Amount paid to Boston Elevated Ra	ilway Com-	00
pany:	nway Com-	
712.9 square yards of block paving	in dummy	
barred out, blocks recut, co	ncrete base	
laid and blocks laid, @ \$3.9	2.	2,794 57
Amount paid to Central Construction	n Company,	
under contract:		
10 cubic yards rock excavation	\$60.00	
$@$ \$6 $40\frac{1}{2}$ tons crushed stone fur-	\$60 00	
nished, placed, watered		
and rolled, @ \$3	$121 \ 50$	
689 linear feet straight edge-		
stone set @ 32c	$220 \ 48$	
33 linear feet eireular edge-		
stone set @ 35c.	11 55	
1,131 linear feet existing edge-	220 20	
stone reset @ 30e	339 30	
265 linear feet crushed stone and concrete foundation fur-		
nished and placed @ 30c.	79 50	
52 square yards existing gran-		
ite block paving relaid		
in driveways and edgings,		
gravel base, sand bed and		
grout joints, @ \$2.	104 00	
10 square yards existing gran-		
ite block paving relaid in brows of car tracks,		
brows of car tracks, gravel base, sand bed and		
grout joints, @ \$2.50	25 00	
3,560 square yards Topeka wear-		
ing surface furnished and		
laid on maeadam founda-	0.000.00	
tion @ \$2.35	8,366 00	
871 square yards brick side- walks relaid @ 70c.	609 70	
5,347 square feet artificial stone	009 10	
sidewalks, concrete base		
and wearing surface, fur-		
nished and laid, @ 26c.	1,390 22	
260 square feet artificial stone		
driveways, concrete base		
and wearing surface, fur-	91 00	
nished and laid, @ 35e. 3 covers reset at \$3	9 00	
4 courses of brick work laid	9 00	
@ 50c	2 00	
Extra work — Remove		
trees, and roots of trees,		
as directed:	00 = 5	
35 hours' labor @ 65c	$\frac{22}{2}$ $\frac{75}{41}$	
Plus 15 per cent on $$22.75$.	3 41	
$Carried\ forward\ .$	\$11,455 41	\$2.828 51

Brought forward	\$11,455 41	\$2,828 51	
from Street Improvements	9,369 21	2,086 20	1,914 71
Centre street, from Boylston street t Roadway paved with asphaltic p constructed. For details, see Ce Hyde square. (Work unfinished	avement and and ntre street, from d.)	tificial stone si n Columbus av	20 feet. dewalks venue to
Engineering	ed Railway	\$627 50 5 90 8 00	
1,317 square yards of block pavin barred out, blocks recut, e made and paving laid, @ Amount paid to B. E. Grant Com	oncrete base \$3.92 pany, under	5,162 64	
contract	•	*9,023 56	1,827 70
Charles street, from Fruit street to A	llen street. (V	Vork done in 1	1920.)
Engineering			\$48 35
Chelsea street, from Maverick street feet. Area, 22,918 square yards Maverick street and Gove street 6-inch concrete base and the rest on macadam foundation. Artifi	. Reset edgest was paved wi of the roadway	one, roadway l th asphalt cond with asphalt o	between crete on concrete
Engineering	ciai stone sidew	\$841 76	naciea.
Engineering Inspection Engineering expense Advertising Expert services Photographs Edgestone, 64 feet straight, 196		$52791 \\ 4820$	
Engineering expense		48 20	
Advertising		3 70	
Expert services		9 90	
Figure 61 feet streight 106	foot aircular	64 00	
and 10 small corners	reet circurar	739 05	
Blocks, 5,140 old granite		154 20	
		\$2,388 72	
Credit: Sidewalk bricks		424 20	
		\$1,964 52	
Amount paid to Coleman Brothers tract:	, under con-	,	
Removing trees, bushes, etc	\$25 00		
150 tons crushed stone furnished, placed, watered and rolled @ \$3.50	525 00		
64 linear feet straight edge-			
stone set $@$ 30c	19 20		
Carried forward	\$569 20	\$1,964 52	

^{*} Details included in measurement for Centre street, from Columbus avenue to Hyde square.

Brought forward 225 linear feet circular edge-	\$569 20	\$1,964 52
stone and corners set @ 50c	112 50	
7,715 linear feet existing edge-		
stone reset @ 30c	2,314 50	
221 square yards existing gran-		
ite block paving relaid,	221 00	
gravel joints, @ \$1 .	$221 \ 00$	
201 square yards existing gran-		
ite block pavement re-		
laid, gravel base, sand		
bed and grout joints, @	201 50	
\$1.50	$301 \ 50$	
3,571 square yards concrete base		
and asphalt concrete sur-		
face layer furnished and	14,998 20	
laid @ \$4.20	14,993 20	
19,146 square yards asphalt con-		
crete pavement surface layer furnished and laid		
on macadam foundation		
@ \$2.50	47,865 00	
375 square yards existing brick	41,000 00	
sidewalks relaid @ 90c.,	337 50	
2,588 square feet artificial stone	001 00	
foundation furnished		
and placed @ 9c	232 92	
69,641 square feet artificial stone	202 02	
sidewalks, concrete base		
and wearing surface fur-		
nished and laid @ 22c.,	$15,321 \ 02$	
32 covers reset @ \$3	96 00	
67 courses of brickwork laid		
@ 50c	33 50	
13 Bradley head catch-basins		
reset @ \$5	$65 \ 00$	
Extra work:—Remove		
one tree on Chelsea		
street, near Gove street,		
$1 ext{ tree removed}$	$50 \ 00$	
		82,517 84
0.1 11 2.0 77	, DI II	II OW I was
Columbia road, from Hancock street	to Blue Hi	ll avenue. (Work not
Columbia road, from Hancock street started.)	to Blue Hi	
started.) Engineering	to Blue Hi	\$49 04
started.)	to Blue Hi	\$49 04 1 80
started.) Engineering	to Blue Hi	\$49 04
started.) Engineering	to Blue Hi	\$49 04 1 80
started.) Engineering Engineering expense	: : :	\$49 04 1 80 ————————————————————————————————————
started.) Engineering Engineering expense Columbus avenue, from Tremont stre	et to Centre	\$49 04 1 80 \$50 84 street. Length, 3,172
started.) Engineering Engineering expense Columbus avenue, from Tremont stre	et to Centre	\$49 04 1 80 \$50 84 street. Length, 3,172
started.) Engineering	et to Centre	\$49 04 1 80 \$50 84 street. Length, 3,172
started.) Engineering	et to Centre	\$49 04 1 80
started.) Engineering	et to Centre	\$49 04 1 80
started.) Engineering	et to Centre	\$49 04 1 80
started.) Engineering	et to Centre	\$49 04 1 80 \$50 84 street. Length, 3,172 set edgestone, granite base and artificial stone \$2,346 97 1,257 31 90 45
started.) Engineering . Engineering expense Columbus avenue, from Tremont stre linear feet. Area, 17,868 squar blocks relaid with grout joints as sidewalks constructed. Engineering	et to Centre	\$49 04 1 80 250 84 street. Length, 3,172 set edgestone, granite case and artificial stone \$2,346 97 1,257 31 90 45 6 60
started.) Engineering	et to Centre	\$49 04 1 80 \$50 84 street. Length, 3,172 set edgestone, granite base and artificial stone \$2,346 97 1,257 31 90 45
started.) Engineering . Engineering expense Columbus avenue, from Tremont stre linear feet. Area, 17,868 squar blocks relaid with grout joints as sidewalks constructed. Engineering	et to Centre	\$49 04 1 80 250 84 street. Length, 3,172 set edgestone, granite case and artificial stone \$2,346 97 1,257 31 90 45 6 60

$Brought\ forward$						\$3,723	
Edgestone						178	
Blocks, 57,374 old gra	$_{ m nite}$					1,721	22
							_
						\$ 5,6 2 3	
Credit: Bricks, sidew	alk					956	16
						\$4,667	12
	77	11 (٦.		1		
Amount paid to John	n Ke	пу	∠om]	pany, un	aer		
contract:	. , .						
590 square yards e	xistin	ıg co	n-				
crete base ex		ed a	na	0000	~ 0		
removed @ 3		٠,		\$2 06	50		
90 linear feet str		ed	ge-				
stone set @ 2		٠.		18	00		
4,721 linear feet ex			ge-				
stone reset @	д 17c			802	57		
1,822 cubic yards co							
furnished an				16,398	00		
2,777 square yards g	ranit	e blo	ck				
paving haul							
sand bed,							
@ \$1.80 .				4,998	60		
16,771 square yards e	xistin	g gra	an-				
ite block pa	ving	rela	id,				
sand bed, g	grout	joir	$_{ m nts}$				
@ \$1.28 .				21,466	88		
680 square yards e	xistin	ggra	n-	•			
ite block pa	ving	rela	id,				
gravel base	, sar	id b	eď				
and grout jo				850	00		
52 square yards e							
sidewalks re				26	00		
30,000 square feet ar							
foundation	fu	rnish	ied				
and placed	(unfi	nishe	ed)				
and placed $@1_{\frac{1}{6}c}$.				350	00		
68,623 square feet ar	tificia	$1 \mathrm{stc}$	ne				
sidewalks, c							
and wearing							
nished and l				11,322	80		
532 square feet ar				,			
driveways, o							
and wearing							
nished and l	aid @	250		133	00		
85 covers reset @	\$3			255			
1 Bradley head	cate	h-ba	\sin				
reset @ \$5				5	00		
23 courses of brie	ek we	ork l	aid				
@ 50c				11	50		
Section 1, Arti	cle E	. Ov	er-				
haul:							
853 tons granite pa	aving	; blo	cks				
hauled fro							
chusetts ave							
stead of fro							
Street Yard							
miles overh							
per ton per l				511	80		
•							
${\it Carried\ forward\ }$.				\$37,355	65	\$4,667	12

Brought forward . Extra Work — Cut the edgestone to fit new telephone cover near	\$57,355 65	\$4,667,12	
the railroad bridge: 8 hours, stone-cutter @ \$1, Plus 15 per cent on \$8 . Extra Work — Cover the top of old fire reservoir with flagging and bar and ram trenches where directed:	8 00 1 20		
23 hours' labor @ 40c 4 hours, paver, @ \$1 Plus 15 per cent on \$13.20,	$egin{array}{ccc} 9 & 20 \\ 4 & 00 \\ 1 & 98 \\ \end{array}$		
2 bags cement @ \$1	$\frac{1}{2} \frac{33}{00}$		
2 augu content () 12		57,382 03	62,049_15
Columbus avenue, from Centre stree	t to Walnut a	venue Lens	rth. 4.020
linear feet. Area 16 934 soura	re vards - Res	set edgestone	e. asphalt
concrete pavement laid on mac	adam foundati	on and artifi	cial stone
sidewalks constructed.			
Engineering		$$967 66 \\ 717 22$	
Inspection		18 05	
Engineering expense		$\frac{13}{7} \frac{03}{70}$	
Advertising		15 00	
Expert services		9 90	
Edgestone		$217 \ 02$	
Edgestone			
		\$1,952 55	
Credit: Bricks, sidewalks	\$932 65		
Blocks, old granite .	104 00		
, ,		1,036 65	
			\$915 90
Amount paid to Simpson Brothers	Corporation,		
under contract:			
3 cubic yards rock excava-			
tion @ \$5	\$15 00		
83 linear feet circular edge-	04.00		
stone set @ 30c	24 90		
7,101 linear feet existing edge- stone reset @ 23c	1,633 23		
stone reset @ 23c 99 square yards existing gran-	1,055 25		
ite block paving relaid,			
gravel joints, @ \$1	99 00		
80 square yards existing gran-			
ite block paving relaid			
in brows of car tracks,			
gravel base, sand bed			
and grout joints, @			
\$2.50	$200 \ 00$		
16,755 square yards asphalt con-			
crete pavement surface			
layer furnished and laid			
on macadam foundation	36,525 90		
@ \$2.18	JU,JZJ JU		
${\it Carried forward}$	\$38,498 03		\$915 90

Brought forward	\$38,498	03	\$915 90)
sidewalks relaid @ 50c., 20,724 square feet artificial stone	36	50		
foundation furnished	1.040			
and placed @ 6c 80,223 square feet artificial stone	1,243	44		
sidewalks, concrete base and wearing surface fur-				
nished and laid @ 18c	14,440	14		
1,875 square feet artificial stone driveways, concrete				
base and wearing sur- face, furnished and laid,				
@ 25c	468			
47 covers reset @ \$3 5 Bradley head catch-basins	141	00		
reset @ \$5	25	00		
23 courses of brickwork laid @ 50c	11	50		
Extra Work — Remove two trees and stumps				
near Walnut avenue:				
2 trees and stumps removed @ \$90	180	00		
			55,044 30	3 - \$55,960 26
			-	- 400,000 20
Commercial street, from Hanover	street to	Wash	ington St	reet North
(Work done in 1918–19.)				@F 00
Engineering		•		. \$5 00
Corinth street, from Washington str	reet to Be	elgrade	avenue.	(Work not
done.)		0		
Engineering		•	•	. \$31 00
Cunard street, from Tremont street done.)	et to Colu	ımbus	avenue.	(Work not
Engineering			\$35 6	
Engineering expense		•	1 70) - \$37-35
Davenport street, from Tremont streedone.)	eet to Col	umbus	s avenue.	(Work not
Engineering		•	\$30 00 2 20	
Engineering expense		•		\$32 20
Donanchina atrect from Water atre	at to Eng	n Islin	atmost 1	
Devonshire street, from Water streelinear feet. Area, 2,248 square (Work done in 1920.)	e yards.	Wood	block pay	rement laid.
Final payment to James Doher	ty for wo	rk dor	ne in 1920	,
under contract	• •	•		\$2,636_60
Dorchester avenue, from Dorchester	Avenue Br	idge t	o West Se	cond street.
Length, 749 linear feet. Area, second-hand granite block pav	4,236 squa	re yar	rds. Edge	estone reset,
crete base and brick sidewalks i	elaid. (U	nfinish	hed work	from 1920.).

Engineering Inspection					\$245 76 44 75
Engineering expense					10 30
Templets					27 - 56
Blocks				. •	234 45
Amount paid to John	ı Kelly	$\operatorname{Com}_{\mathbb{C}}$	pany, un	der	
contract:					
Excavating an					
the paving					
paying and					
and near aba					
proach to At	aanue A	ve-	\$400	00	
nue Bridge 17 linear feet cir	oular od	· .	Ф±00	00	
stone set @	eurar eu 30e	ge-	5	10	
1,449 linear feet exi		σe-	J	10	
stone reset (80	565	11	
1,037 square yards gr		ock	505		
paving haule					
including ha					
old blocks ar	nd flaggi	ng,			
concrete bas					
and grout	joints,	@			
\$4.15			4,511	05	
3,149 square yards ex					
ite block pa	ving tal	ken			
up, cleaned,					
relaid, cond sand bed	erete Di	ise,			
joints, @ \$4		out	12,596	00	
162 square yards ex		· 'n n	12,000	00	
ite block pa	ving rela	an-			
gravel base.	sand b	ed.			
gravel base, grout joints.	@ \$2.20) .	356	40	
92 square yards	brick si	de-			
92 square yards walks laid @	60c.		55	20	
1,092 square yards ex	risting br	ick			
sidewalks rel	aid @ 4	0c.,	436		
14 covers reset @		.;	42	00	
7 courses of brie	kwork i	aid	9	70	
$\stackrel{ ext{@}}{ ext{50c.}}$. $ ext{Extra work}$ —	i and	nd.	.	50	
haul sidew					
from the Ch					
avenue pavi					
stead of fre					
chusetts ave					
19,500 brick loaded :	and hau	ıled			
from the Cl					
avenue pavi \$5.30 per M Extra work - foundation (ng yard	(a)			
\$5.30 per M	. ъ.	•	103	35	
Extra work -	— Kem	ove			
foundation of to abandon	od Atla	atio			
Avenue Bric	loo and	ro-			
move existing					
base where o	lirected:				
532 hours' labor @	} 70c		372	40	
Plus 15 per cen	t on \$372		55	86	
27 hours, double	team,	@		* 0	
\$1.50 .			40	50	
$Carried\ forward$			\$19,503	27	\$562 82

Brought forward	\$19,503 27 64 00	\$562 82
1 day, foreman, @ \$7 64 hours' labor @ 50c Plus 15 per cent on \$39	$\begin{array}{ccc} 7 & 00 \\ 32 & 00 \\ 5 & 85 \end{array}$	
32 hours, auto truck, @		
$\$4.37\frac{1}{2}$	140 00	
\$1.50	36 00	
Less amount retained .	\$19,828 12 500 00	
	\$19,328 12	
Less amount paid in 1920,	15,170 18	4,157 94
		<u>\$4,720 76</u>
Dorchester avenue, from Andrews sq	uare to Savi	n Hill avenue. (Work
done in 1918 and 1919.)		
Engineering	fon	\$22 27
Final payment to William J. Bar done under contract in 1919		2,000 00
done under contract in 1010 .		
Developer avenue from Park street to	Ashmont stre	
Dorchester arenue, from Park street to feet. Area, 15,832 square yards	Ashmont stre	eet Length 4 665 linear
feet. Area, 15,832 square yards side of roadway with recut gran	. Reset edg ite blocks, gr	eet. Length 4,665 linear estone and relaying east rout joints and concrete
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new	s. Reset edg ite blocks, gr blocks on cor	eet. Length 4,665 linear estone and relaying east cout joints and concrete nerete base with asphalt
feet. Area, 15,832 square yards side of roadway with recut gran	e. Reset edg lite blocks, gr blocks on cor id on concret	eet. Length 4,665 linear estone and relaying east rout joints and concrete nerete base with asphalt e base with sand joints
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering	e. Reset edg lite blocks, gr blocks on cor id on concret	teet. Length 4,665 linear estone and relaying east cout joints and concrete nerette base with asphalt e base with sand joints d. \$1,091 00
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering.	e. Reset edg lite blocks, gr blocks on cor id on concret	teet. Length 4,665 linear estone and relaying east rout joints and concrete nerete base with asphalt to base with sand joints d. \$1,091 00 1,481 10
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering Inspection Engineering expenses	e. Reset edg ite blocks, gr blocks on cor id on concret re constructed	teet. Length 4,665 linear estone and relaying east rout joints and concrete herete base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering Inspection Engineering expenses	e. Reset edg ite blocks, gr blocks on cor id on concret re constructed	eet. Length 4,665 linear estone and relaying east rout joints and concrete nerete base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85 17 10
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering . Inspection . Engineering expenses . Advertising . Expert services .	e. Reset edg ite blocks, gr blocks on cor id on concret re constructed	eet. Length 4,665 linear estone and relaying east rout joints and concrete nerete base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85 17 10 98 90
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering Inspection Engineering expenses Advertising Expert services	e. Reset edg ite blocks, gr blocks on cor id on concret re constructed	teet. Length 4,665 linear estone and relaying east rout joints and concrete nerete base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85 17 10 98 90 271 46
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering Inspection Engineering expenses Advertising Expert services	e. Reset edg ite blocks, gr blocks on cor id on concret re constructed	teet. Length 4,665 linear estone and relaying east rout joints and concrete nerete base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85 17 10 98 90 271 46 287 68
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering Inspection Engineering expenses Advertising Expert services	e. Reset edg ite blocks, gr blocks on cor id on concret re constructed	teet. Length 4,665 linear estone and relaying east rout joints and concrete nerete base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85 17 10 98 90 271 46
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering . Inspection Engineering expenses . Advertising . Expert services . Edgestone . Blocks, wood paving, 4,603 .	e. Reset edg ite blocks, gr blocks on cor id on concret re constructed	eet. Length 4,665 linear estone and relaying east rout joints and concrete nerete base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85 17 10 98 90 271 46 287 68 18,766 27 2,089 50
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering	Reset edgite blocks, gr blocks on cond d on concret re constructed	eet. Length 4,665 linear estone and relaying east rout joints and concrete herete base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85 17 10 98 90 271 46 287 68 18,766 27
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering	Reset edgite blocks, griblocks on condidon concrete constructed	eet. Length 4,665 linear estone and relaying east rout joints and concrete nerete base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85 17 10 98 90 271 46 287 68 18,766 27 2,089 50
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering	Reset edgite blocks, gr blocks on cond d on concret re constructed	eet. Length 4,665 linear estone and relaying east rout joints and concrete nerete base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85 17 10 98 90 271 46 287 68 18,766 27 2,089 50
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering	Reset edgite blocks, griblocks on condidon concrete constructed	eet. Length 4,665 linear estone and relaying east rout joints and concrete nerete base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85 17 10 98 90 271 46 287 68 18,766 27 2,089 50 \$24,152 86 1,140 10
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering	Reset edgite blocks, griblocks on condidon concrete constructed	eet. Length 4,665 linear estone and relaying east rout joints and concrete here base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85 17 10 98 90 271 46 287 68 18,766 27 2,089 50 \$24,152 86
feet. Area, 15,832 square yards side of roadway with recut grant base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering. Inspection Engineering expenses Advertising Expert services Edgestone Blocks, wood paving, 4,603 Blocks, large granite, 166,425 Blocks, recut granite, 34,825 Credit: Old granite blocks Old sidewalk bricks Amount paid to Gore, Inc., under contract: Removing trees, bushes,	Reset edgite blocks, griblocks on cord on concrete constructed and the constructed are constructed as a second of the constructed are constructed as a second are construc	eet. Length 4,665 linear estone and relaying east rout joints and concrete nerete base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85 17 10 98 90 271 46 287 68 18,766 27 2,089 50 \$24,152 86 1,140 10
feet. Area, 15,832 square yards side of roadway with recut gran base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering . Inspection . Engineering expenses . Advertising . Expert services . Edgestone . Blocks, wood paving, 4,603 . Blocks, large granite, 166,425 . Blocks, recut granite, 34,825 . Credit: Old granite blocks . Old sidewalk bricks . Amount paid to Gore, Inc., under contract: Removing trees, bushes, etc.	Reset edgite blocks, griblocks on condidon concrete constructed	eet. Length 4,665 linear estone and relaying east rout joints and concrete nerete base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85 17 10 98 90 271 46 287 68 18,766 27 2,089 50 \$24,152 86 1,140 10
feet. Area, 15,832 square yards side of roadway with recut grant base and the west side with new joints. The wood block was la and artificial stone sidewalks we Engineering. Inspection Engineering expenses Advertising Expert services Edgestone Blocks, wood paving, 4,603 Blocks, large granite, 166,425 Blocks, recut granite, 34,825 Credit: Old granite blocks Old sidewalk bricks Amount paid to Gore, Inc., under contract: Removing trees, bushes,	Reset edgite blocks, griblocks on cord on concrete constructed and the constructed are constructed as a second of the constructed are constructed as a second are construc	eet. Length 4,665 linear estone and relaying east rout joints and concrete nerete base with asphalt e base with sand joints d. \$1,091 00 1,481 10 49 85 17 10 98 90 271 46 287 68 18,766 27 2,089 50 \$24,152 86 1,140 10

Brought forward	\$1,171 50	\$23,012 76
2,171 linear feet existing edge- stone reset @ 18c.	390 78	
88 square yards existing gran- ite block pavement		
laid, gravel joints, @ 65c.	57 20	
5,800 square yards granite block	3. 2 3	
paving laid, concrete base, sand bed and as-	17 000 00	
phalt joints, @ \$2.59, 7,900 square yards existing gran-	15,022 00	
ite block paving recut and relaid, concrete		
base, sand bed and grout joints, @ \$3.06.	24,174 00	
1,840 square yards wood block pavement furnished and		
laid, concrete base, mortar bed, etc., @ \$4.75,	8,740 00	
17 square yards existing brick sidewalks relaid	,	
@ 40e	6 80	
16,500 square feet artificial stone sidewalks, con-		
crete base and wearing surface furnished and laid @ 17c	0.00~ 00	
650 square feet artificial	2,805 00	
stone driveways, con- erete base and wearing		
surface furnished and laid @ 21e	136 50	
4,000 square feet artificial stone foundation fur-		
nished and placed @ 3c	120 00	
47 covers reset @ \$33 28 courses of brickwork laid	141 00	
@ 50e Extra work — relay the	14 00	
existing granite block pavement with grout		
joints where directed. 65 square yards existing		
granite block paving relaid, grout joints, @		•
\$1.25 Extra work — Haul recut	81 25	
blocks from Massa- chusetts avenue lot.	44.00	
112 hours, labor @ 40e Plus 15 per cent on \$44.80,	$\begin{array}{c} 44 & 80 \\ 6 & 72 \end{array}$	
96 hours, double team @ \$1, 8 hours, auto truck @ \$3.75,	$\frac{96}{30} \frac{00}{00}$	
,	\$51,897 45	
Less 15 per cent retained,	7,784 62	44,112 83
		

Dorchester street (East and West Broadway to East and West Eighth street).
Length, 1,720 linear feet. Area, 8,066 square yards. Edgestone set.
Bitulithic pavement laid on concrete base and artificial stone sidewalks
constructed.

constructe	d.									
Engineering									\$655	0.1
Inspection	•	•	•	•	•	•	•	•	1,060	
Engineering	exper	ISE	•	•	•	•	•	•	28	
Advertising			•	•	•	•	•	•	15	
Templets		•	•	•	•	•	•	•	31	
Edgestone	•	•	•		•	•	•	•	359	
Expert servi			•	•	•	•	•			90
Labor .	ccs		•	•	•	•	•		88	
Labor .			•	•	•	•	•	•	00	UU
									\$2,248	99
Credit: Brie	le oic	lowe	11-							
Credit. Dife	KS, SIC	ic wa	ıĸ	•	•	•	•	•	1,017	10
									\$1,231	10
									Ф1,∠31	12
Amount paid	l to Sa	mue	l J. '	Ton	na-					
sello under										
132 linear				ρdi	TO-					
	ne set			eas	36-	Œ.	20	60		
				٠,	•	ų.	ออ	00		
2,811 linear	reet	exis	ting	eag	ge-			~ ~		
sto	ne res	et @	30c	٠.		5	43	30		
52 cubic										
cre	te bas	e fur	$_{ m nish}$	ed a	$^{\mathrm{nd}}$					
laid	l @ \$	9				4	68	00		
325 squar	e v	ards	e	visti	nσ					
gra	nite b	lock	nav	ing	re-					
laid	l, grav	el io	ints.	@ s	R1.	3	25	00		
							20	00		
904 squar	$_{ m nite}^{ m e}$	ards	ez	visti	пg					
gra	nne b	Lock	pavi	ing i	re-					
	l, asp	пан	lon	πs,	ω	1.4	01	co		
\$1.6		٠.	•		•	1,4	91	60		
329 squar	e ya	ards	ez	cisti	ng					
\mathbf{gra}	nite b	lock	pavi	ng i	re-					
	in									
	eks, s				$\mathbf{n}\mathbf{d}$					
gro	ut joir	its, (<i>a</i>) \$1	.50		4	93	50		
6,508 square	e ya	rds	cor	ncre	te					
base	e ar	$^{\mathrm{1d}}$	bitu	ılith	ic					
pav	ement	5	furr	nish	$^{\mathrm{ed}}$					
and	laid (a \$4	.35			28,3	99	80		
278 square	v:	rds	ex	istii	nσ	,				
	k sid									
@ 6				- 014	•	1.0	66	80		
18 covers				•	•			00		
				boo	:		94	UU		
1 Bradle	t @ \$		ı ten-	-Das	111			00		
	-		٠.				O	00		
10 course			wor	k la	ıd		_	0.0		
@ 5	ю						5	00		
Extra										
exist	ting e	$_{ m edges}$	stone	e ar	ıd					
furn	ting e ish a	nd	ay	arti	ti−					
cial	stone	side	walk	s.						
33,518 square	feet a	artifi	cial	sto	nе					
	walks									
	@ 26					8,7	14	68		
Carried for	ward					\$40,80	96	28	\$1,231	12
·						,			· ·	

Brought forward Extra work — Remove	\$40,806	28	\$1,231 12	
trees, where directed.	100	00		
4 trees removed @ \$100 .	400	00		
Extra work — Remove stumps of old trees under existing brick sidewalk.				
72 hours' labor, @ 40e	28	80		
Plus 15 per cent on \$28.80	4	32		
Extra work — Recut old paving blocks to be used for repaving brow to car tracks.				
275 square yards granite				
block recut @ 65c Section 1. Article E. Overhaul.	178	7 5		
1,406 tons surplus material hauled to Old Colony avenue (more than one mile and less than one and one-half miles) ½				
mile overhaul at 15c. per ton per half mile, 84½ tons sidewalk brick hauled to L street (instead of city paving yard on Columbia road at H street) one half mile	210	90		
overhaul @ 15c. per	19	68		
ton per half mile	12			
Less 15 per cent retained,	\$41,751 6,262		35,488 97	
				\$36,720 09
udley street, from Alexander street linear feet. Area, 5,941 square paving laid and relaid; artificial structed. (Unfinished work from	yards. E Estone sie	Edges	stone set; gr	anite block
Engineering			\$131 13	

						\$131 13
						$195\ 58$
						17 60
						427 50
						7 50
						14 17
Stef	ano	Bro	thers	un	der	
culai	r ed	ge-				
		•		\$28	20	
		ge-				
		٠.		613	20	
		ing				
,				93	00	
•	•	•				
			5	734	40	\$893 48
	Stef cular 60c. sting @ 35 ds ex	Stefano cular ed 60c. sting ed 35c. ds exist	Stefano Brocular edge- 60c sting edge-	Stefano Brothers cular edge- 60c sting edge- @ 35c ds existing x paving re- joints, @	Stefano Brothers un cular edge- 60c \$28 sting edge- @ 35c 613 ds existing control paving rejoints, @ 93	Stefano Brothers under cular edge- 60c \$28 20 sting edge- @ 35c 613 20 ds existing x paving re- joints, @ 93 00

$Brought\ forward$	\$734	40	\$893 48
855 square yards granite block			
paying hauled and laid,			
including hauling away old blocks and flagging,			
concrete base, sand bed			
and grout joints, @			
\$4.50	3,847	50	
5,564 square yards existing	,		
granite block paving			
taken up, cleaned, piled			
and relaid, concrete base, sand bed and			
grout joints @ \$4.40 .	24,481	60	
57 square yards brick side-	-1,101	00	
walks relaid @ 75c	42	75	
16,607 square feet artificial stone			
sidewalks, concrete base			
and wearing surface fur-	F 400	0.1	
nished and laid @ 33c 126 square feet artificial stone	5,480	91	
driveways, concrete			
base and wearing sur-			
face furnished and laid			
@ 60c		60	•
2 covers reset @ \$3	6	00	
4 courses of brick work laid @ 50c	9	00	
Extra work — Relay		00	
existing granite block			
paving on gravel base			
with grout joints where			
directed:			
403 square yards granite block paving relaid, gravel			
base and grout joints,			
@ \$2	806	00	
Section 1, Article E,			
Overhaul:			
77 tons blocks hauled from			
East Fifth street lot (instead of from Massa-			
chusetts avenue lot) one			
and one half miles over-			
haul @ 11c. per ton per			
half mile	25	41	
12 tons blocks hauled from			
Centre street near Montclair street (in-			
stead of from Massa-			
chusetts avenue lot),			
five miles overhaul @			
11c. per ton per half	19	90	
mile Extra work — Recut	19	20	
blocks to connect with			
4-inch work on Colum-			
bia road and clean pitch			
and pebbles from blocks			
furnished by city from Massachusetts avenue			
lot:			
100.			
Carried forward	\$35,514	77	\$893 48

Brought forward 66 hours' labor @ Plus 15 per cen	65c. t on \$	\$ 42 .9	0,	\$35		77 90 44	\$893 48	
Less amount p	aid ir	ı 192	0,	\$35 30	,564 ,925	11 19	4,638 92 \$5,432 40	
East Fourth street, from 1920.)	K str	eet a	cros	s P	stree	t. (Work done in 1919 and	
Engineering expense	•		•				\$0 30	
East and West Concord (Work not started.)		s, fro	om	Alba	ny s	stree	t to Columbus avenue.	
Engineering Engineering expense		:					\$204 93 6 80 \$211 73	
East and West Springfied nue. (Work not st			fron	н На	rriso	n av	enue to Columbus ave-	
Engineering Engineering expense	•			:	•		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
Exeter street, from Boyls started.)	ton s	treet	to	Com	mon	weal	th avenue. (Work not	
Engineering Engineering expense		:	:	:			\$65 75 10 	
Fairfield street, from Boy Engineering Engineering expense		stree	et to	Bea :	eon		et. (Work not started.) \$184 63 \frac{3 90}{	
Franklin street, 60 feet w done in 1920.)	est o	of De	von	shire	e stre	eet to	Broad street. (Work	
Engineering	•	•	•	٠		٠	\$26 00	
Friend street, from Union feet. Area, 6,010 paving laid and re (Unfinished work fr	SOME	re v	za rd	s I	$Ed\sigma e$	ston	t. Length, 1,860 linear e reset, granițe block sidewalks constructed.	
Engineering . Inspection Engineering expense Edgestone Teaming				· · ·			\$435 18 411 30 3 05 198 64 16 00	
Credit: Bricks, sidewa	lk						\$1,064 17 56 00	
Amount paid to B. E. 15 cubic yards				r cor	atrac	t:	\$1,008 17	
vation @ \$2					\$30	00		
${\it Carried\ forward\ }$.					\$ 30	00	\$1,008 17	

Brought forward	\$30 00	\$1,008 17
crete base excavated		
and removed @ \$1 .	3,444 00	
10 linear feet straight edge-		
stone set @ 50c	5 00	
93 linear feet circular edge-		
stone set @ 75c	$69 \ 75$	
2,122 linear feet existing edge-		
stone reset @ 30c.	636 60	
981 cubic yards concrete base		
furnished and laid @		
\$14	13,734 00	
88 square yards existing gran-		
ite block paving relaid,		
gravel joints @ \$1.50.	$132 \ 00$	
194 square yards granite block		
paying hauled and laid,		
including hauling away		
old blocks and flagging,		
sand bed and grout		
joints @ \$2.65	514 10	
5,816 square yards existing gran-		
ite block paving taken		
up, cleaned, piled and relaid, sand bed, grout		
relaid, sand bed, grout	19.000.00	
joints @ \$2.25	13,086 00	
brick sidewalks relaid	99.00	
@ \$1	$22 \ 00$	
12,247 square feet artificial stone		
sidewalks, concrete base and wearing surface		
and wearing surface furnished and laid @		
28c.	3,429 16	
19 covers reset @ \$3	57 00	
1 Bradley head catch-basin	57 00	
reset @ \$5	5 00	
40 courses of brickwork laid	3 00	
@ 50e	20 00	
Extra work — Bar out,	40 00	
load and haul granite		
paving blocks from area		
occupied by Boston Ele-		
vated Railway track:		
158 square yards granite		
blocks barred out, load-		
ed and hauled @ 50c.	79 00	
	\$35,263 61	
Less amount paid in	,	
1920	9,285 97	
		25,977 64
		\$26,985 81
Gloucester street, from Boylston st	reet to Beac	on street (Work not
started.)	- 3440	(
Engineering		\$140 81
Engineering expense		1 40

on macadam foundation and ar	on one	0.0110	\$235	
Engineering			327	
Inspection		•		95
Edgestone			478	
nagestone		•		
			\$1,048	62
Credit: Bricks, sidewalk		٠	171	50
			\$877	12
Amount paid to Central Construc	ction C	om-		
pany, under contract:				
12 cubic yards extra excava-	0 -9.0			
tion @ \$2.50	Φου	00		
337 tons erushed stone fur-				
nished, placed, watered and rolled @ \$3	1,011	00		
29 linear feet straight edge-	1,011	. 00		
stone set @ 32e	0	28		
164 linear feet circular edge-		, 20		
stone set @ 35c	57	40		
3,686 linear feet existing edge-	0.	10		
stone reset @ 30c.	1,105	80		
47 square yards existing	-,			
granite block paving				
relaid, gravel joints				
@ 80e	37	60		
37 square yards existing				
granite block paving				
relaid in driveways and				
edgings, gravel base,				
sand bed and grout				
joints @ \$2	7-	F 00		
6,326 square yards Topeka wear-				
ing surface furnished and				
laid on macadam foun-				
dation @ \$2.35	14,860	5 10		
80 square yards brick side-				
walks relaid @ 70e.	ət	5 00		
23,008 square feet artificial stone				
sidewalks, concrete base				
and wearing surface,				
furnished and laid, @	5,982	20.0		
26e		1 00		
881 square feet artificial stone	اند	00		
driveways, concrete				
base and wearing sur-				
face, furnished and laid,				
@ 35c	309	3 35		
5 courses of brickwork laid	000			
@ 50e	-	2 50		
© 3361 / 1 / 1			23,561	11
				\$24,438
ereford street, from Beacon street to I	Boylstor	stree	t. (Wo	rk not starte
Engineering	_ 5,51		\$142	
implicefilly , , , , ,				
Engineering expense			Q	8 80

Humboldt avenue, from Walnut av started.)	enue	to	Seave	r street.	(Work not
Engineering	•		•		. \$75 00
Huntington avenue, (north side), from to the west side of Hemenway sta 6,200 square yards. Edgestone on macadam foundation and a	$_{ m reset,}$	Ler asp	igth 1 halt c	,882 lines concrete	ar feet. Area, pavement laid
Engineering				\$409	12
Inspection				364	
Engineering expense				12	
Advertising					75
Expert services					90
Edgestone				436	34
				21.000	
G . 17 . D-1111 -1111		200=	10	\$1,236	37
Credit: Bricks, old sidewalk .	3	3205			
Blocks, old paving		20	00	00"	10
	-			225	10
				@1 O11	27
1 1 1 1 0 1	, .	~		\$1,011	41
Amount paid to Andrews Constr	uction	ı Co	m-		
pany, under contract:					
798 tons crushed stone fur-					
nished, placed, watered	00	20.4	0.0		
and rolled @ \$3	52	,394	00		
148 linear feet straight edge-		0.7	0.0		
stone set @ 25c		37	00		
51 linear feet circular edge-		10	H		
stone set @ 25c		12	75		
1,242 linear feet existing edge-		210	~ 0		
stone reset @ 25c.		310	90		
59 square yards existing gran-					
ite block paving relaid, gravel joints, @ \$1		50	00		
28 square yards existing gran-		99	00		
ite block paving relaid					
in brows of car tracks,					
gravel base, sand bed,					
grout joints, @ \$2		56	00		
6,113 square yards asphalt con-		00	00		
crete pavement surface					
layer, furnished and laid					
on macadam foundation,					
@ \$2.40	14	,571	20		
138 square yards existing		,			
brick sidewalks relaid					
@ \$1		138	00		
1,896 square feet artificial stone					
foundation furnished					
and placed @ 1c		18	96		
12,831 square feet artificial stone					
sidewalks, concrete base					
and wearing surface, fur-	-	0 = -	10		
nished and laid, @ 23c.	2	,951			
4 covers reset @ \$3		12	00		
5 courses of brick work		_	F.C.		
laid @ 50c		2	50	00.000	0.1
-			_	20,663	
					<u>\$21,674_31</u>

John Eliot square. (Work not started.)	
Engineering	8
Main street, Charlestown, from City square across Alford street. Length 5,690 linear feet. Area, 30,685 square yards. Edgestone reset, recugranite block pavement laid and artificial stone sidewalks constructed Work done in 1919 and 1920.	ιť
Engineering expense \$1.80	
Final payment to William J. Barry for work done under contract in 1919 and 1920 1,000 00	
\$1,001 8	0
Market street, from Washington street across Western avenue. Length 5,015 linear feet. Area, 22,217 square yards. Edgestone set an reset. Simasco pavement laid and artificial stone sidewalks constructed. (Unfinished work from 1020)	ď
structed. (Unfinished work from 1920.)	
Engineering \$1,207 97 Inspection 698 01 Engineering expense 36 05 Manhole alterations 75 02 Edgestone 1,995 17	
Engineering expense	
Manhole alterations	
Edgestone	
under contract:	
5.8 cubic yards rock excava-	
66 tons crushed stone fur- nished, placed, watered	
and rolled, @ \$3 198 00	
120 linear feet straight edge-	
stone set @ 35c 42 00	
670 linear feet circular edge- stone set @ 40c	
7,820 linear feet existing edge-	
stone reset @ 30c., 2,346 00	
56 square yards existing gran-	
ite block paving relaid, gravel joints, @ \$1 . 56 00	
198 square yards existing gran-	
ite block paving relaid,	
concrete base, sand bed	
and grout joints, @ \$4.50 * 891 00	
3,206 square yards existing gran-	
ite block paving relaid	
in driveways and edg-	
ings, gravel base, sand bed, grout joints, @ \$2, 6,412 00	
18,757 square yards Simasco	
pavement furnished and	
laid @ \$2.50 46,892 50	
73,552 square feet artificial stone foundation furnished	
and placed @ 6c 4,413 18	
70,423 square feet artificial stone	
sidewalks, concrete base	
and wearing surface, fur- nished and laid, @ 26c., 18,309 98	
Carried forward \$79,857 66 \$4,012 22	

^{*} Decrease of \$0.50 per square yard.

Brought forward 4,763 square feet artificial stone	\$79,857	66	\$4,012	22	
driveways, concrete base andwearing surface, furnished and laid. @ 33c., 87 covers reset @ \$3	$^{1,571}_{261}$				
135 courses of brick work laid @ 50c	67	50			
16 Bradley head catch-basins					
reset @ \$5 Extra work — H a u l	80	00			
second-hand paving from Market street to Bright- on Paving Yard, Chest- nut Hill avenue: 58,136 square yards blocks hauled	581	26			
to yard @ \$10 M Extra work — Cut stump in sidewalk and change edgestone for special catch-basin at Garden street:	551	30			
5 hours, edgestone setter, @ \$1	5	00			
31 hours' labor @ 40c		40			
Plus 15 per cent on \$17.40, Extra work — Grade and make safe approaches at Leicester street, Waver- ly street and Western avenue:	2	61			
27 hours, foreman, @ $87\frac{1}{2}c.$, 270 hours' labor @ 40c	23				
8 hours, edgestone setter, @	108				
\$1	8	00			
\$139.63	20				
95 hours, double team, @ \$1,	95				
1 hour, auto truck, @ \$3.50, 10 feet 6-inch pipe @ 32c.		$\frac{50}{20}$			
1 bag cement @ 80c	Ü	80			
$2 ext{ feet screen } @ 50c$	1	00			
Less amount paid in 1920,	\$82,703 764				
ness amount paid in 1920,			81,939	11	
				_	\$85,951 33
Milford street, from Shawmut aven started.)	ue to T	rem	ont stre	et. ((Work not
Engineering			\$4	65	
Engineering expense		٠		3 20	\$49 85
Mt. Vernon street, from Joy street the linear feet. Area, 4,511 square macadam roadway laid and brick from 1920.)	yards. I	∃dg∈	estone re	eset, l	bituminous
Engineering				36 30 35 78	
Counied formand			@ 1 O	2 00	
Carried forward		•	Φ18	2 08	

Brought forward	,, ,	
Amount paid to John W. O'Co contract:	nnell, under	\$182 08
477 linear feet straight edge- stone set @ 39c	\$186 03	
52 linear feet circular edge- stone set @ 40c	20 80	
1,558 linear feet existing edge- stone reset @ 39c	607 62	
245 square yards existing gran- ite block or cobble pav- ing relaid, gravel joints, @ \$1.45	355 2 5	
1,655 square yards brick block paving hauled and łaid, concrete base, cement sand bed and grout joints (unfinished),		
@ \$1.10	1,820 50	
sidewalks relaid @ 70c.,	1,304 10	
16,500 bricks loaded and hauled, from Chestnut Hill Pav-		
ing Yard, Brighton, @ \$4 per M	66 00	
5 covers reset @ \$3	15 00	
1 Bradley head catch-basin reset @ \$5	5 00	
Extra work — Omit Items 7a and 7b (hauling and laying brick block paving, etc.,) and substitute excavating, subgrading and rolling crushed stone:		
4,326 square yards excavation, subgrading and crushed stone rolled, @ \$1.55. Extra work — Break out brick laid in cement and relay the same and cut roots where directed:	6,705 30	
10 hours', foreman, @ \$1.10, 97 hours' labor @ 70c	$\frac{11}{67} \frac{00}{90}$	
Plus 15 per cent on \$78.90,	11 84	•
$3\frac{1}{2}$ barrels cement @ \$6 2 cubic yards sand @ \$2.50,	$\begin{array}{cc} 21 & 00 \\ 5 & 00 \end{array}$	
Less amount paid in 1921,	\$11,202 34 7,311 74	3,890 60 \$4,072 68

Northampton street, from Washington started.)	n street to Alb	any street. (Work not
Engineering Engineering expense	: : :	\$72 12

Pleasant street, from Stoughton stree linear feet. Area, 2,533 square laid in dummy of car tracks. To sidewalks constructed. (Work of	yards. I peka pave	Edgest ement	avenue. Length, 830 tone set, granite blocks laid and artificial stone
Engineering			\$14 00
Engineering expense		•	$12\ 40$
Final payment to Francis J. Bu	rke for w	ork	004.00
done under contract in 1920 .			994 32
			\$1,020 72
Portland street, from Hanover stree linear feet. Area, 7,266 square granite block pavement laid on artificial stone sidewalks consti- tract, work was done in Han- street and Causeway street. Engineering	e yards. 6-inch co ructed. I over stree	Edge ncrete n con	stone set, second-hand base, grout joints and enection with this con-
Inspection		•	753 63
Inspection		•	2 40
Stone cutter		•	$45\ 00$
Edgestone		•	691 89
Blocks, old granite		•	1,584 82
blocks, ou grante		•	
			\$3,515 12
Credit: Bricks			187 60
,		•	
			\$3,327 52
Amount paid to B. E. Grant, unc 50 cubic yards excavation @	ler contra	ct:	,
\$2	\$100	00	
7,107 square yards existing con-			
crete base excavated and			
removed $@$ \$1	7,107	00	
353 linear feet straight edge-	,		
stone set @ $50c$	176	50	
47 linear feet circular edge-			
47 linear feet circular edge- stone set @ 75c.	35	25	
2,327 linear feet existing edge-			
stone reset @ 30c.	698	10	
1,184 cubic yards concrete base			
furnished and laid @			
\$14	16,576	00	
2,096 square yards granite block			
paving hauled and laid,			
including hauling away			
old blocks and flagging,			
sand bed and grout	1	40	
joints, @ \$2.65	5,554	40	
5,170 square yards existing gran- ite block paving taken			
up, cleaned, piled and relaid, sand bed and			
grout joints, @ \$2.25.	11,632	50	
82 square yards existing brick	,	00	
sidewalks relaid @ \$1 .	82	00	
17,221 square feet artificial stone			
sidewalks, concrete base			
and wearing surface fur-			
nished and laid, @ 28c.,	4,821		
18 covers reset @ \$3	54	00	
	@4C 00F	00	e2 207 50
Carried forward	\$46,837	63	\$3,327 52

Brought forward	\$46,837	63	\$3,327 5	52	
2 Bradley head catch-basins reset @ \$5 40 courses of brickwork laid	10	00			
40 courses of brickwork laid @ 50c	20	00			
Section 1, Article E, over- haul:					
328 tons granite block hauled					
from District 2, East Boston (instead of from					
Massachusetts avenue lot), one and one half					
miles overhaul @ 11c.					
per ton per half mile . 78 tons granite block hauled	108	24			
from District 4, Brighton					
(instead of from Massa- chusetts avenue lot),					
chusetts avenue lot), one and one half miles overhaul @ 11c, per ton					
per half mile	25	74			
413 tons granite block hauled from District 7, Rox-					
bury (instead of from					
Massachusetts avenue lot), one and one half					
miles overhaul @ 11c. per ton per half mile .	136	29			
Extra work — Bar out,	100	20			
load and haul granite paving blocks from area					
occupied by Boston Ele-					
vated Railway tracks: 526 square yards granite blocks					
barred out, loaded and hauled, @ 50c	263	00			
namen, @ soc			47,400		700 40
		•		— \$ <u>50,</u>	728_{-42}
Ralston street, northerly side, from	Roston st	root al	oout 95	foot o	net orly
Work done in 1920.	DOSION SI	reet, a	Jour 35	reet e	isterry.
Final payment for work done by					589 50
Company, under contract, in 19	120	•		. 47	000 00
Richmond street, from Hanover stre	et to Atla	antic av	enue.	Length	ı, 1,213
linear feet. Area, 4,678 square	yards.	$\operatorname{Edgeste}$	ne rese	t, secon	d-hand
granite block pavement laid on artificial stone sidewalks constr		merete	oase, gr	out jon	ns, and
Engineering			\$138		
Engineering	: :	•	232 1	$\frac{04}{65}$	
Edgestone	: :	•	93	77	
Blocks, old granite		•	$\frac{2,510}{}$		
Credit: Bricks, old sidewalk .			\$2,976 12	30 00	
Credit. Brieks, our sidewalk .		•			
			\$2,964	ა <u>ს</u>	
$Carried\ forward\ .$			\$2,964	30	

Brought forward Amount paid to B. E. Grant Cor	npany, under	\$2,964 30
contract: 31 linear feet straight edge-		
stone set @ 50c	\$15 50	
stone set @ 75c	9 75	
stone reset @ 30c.	501 00	
709 cubic yards concrete base furnished and laid @ \$4,	9,926 00	
496 square yards existing gran- ite block paving relaid,		
gravel joints, @ \$1.50 . 2,789 square yards granite block	744 00	
paving hauled and laid, including hauling away		
old blocks and flagging, sand bed and grout		
joints, @ \$2.65 1,889 square yards existing gran-	7,390 85	
ite block paving taken		
up, cleaned, piled and re- laid, sand bed, grout		
joints, @ \$2.25 51 square yards existing brick	$4,250\ 25$	
sidewalks relaid @ \$1 . 9,076 square feet artificial stone	51 00	
sidewalks, concrete base and wearing surface fur-		
nished and laid, @ 28c . 15 covers reset @ \$3	2,541 28 45 00	
1 Bradley head catch-basin reset @ \$5	5 00	
32 courses of brickwork laid @ 50c.	16 00	
Section 1, Article E, Over- haul:	10 00	
633 tons granite block hauled from District 2, East		
Boston (instead of from		
Massachusetts a v e n ue lot), one and one half		
miles overhaul @ 11c. per ton per half mile	208 89	
204 tons granite blocks hauled from District 7, Roxbury		
(instead of from Massa- chusetts avenue lot), one		
and one half miles over- haul @ 11c. per ton per		
half mile	67 32	
concrete base where di- rected and lay new con-		
crete base and relay gran- ite block paving with		
grout joints in Hanover street, between Elm		
street and Washington street:		
Carried forward	\$25,771,84	\$2,964 30
	W20,111101	φ <u>4,304 30</u>

Downski fannani	\$05.771 O.	en he4 20
Brought forward 257 square yards existing con-	\$25,771 84	\$2,964 30
crete base excavated and		
removed @ \$1	257 00	
9 linear feet existing edge-		
stone reset @ 30c	2 70	
74 cubic vards concrete base	2 10	
74 cubic yards concrete base furnished and laid @		
\$14	1,036 00	
885 square yards existing gran-	,	
ite block paving taken		
up, cleaned, piled and		
relaid, sand bed and		
grout joints, @ \$2.25	1,991 25	
17 square feet artificial stone		
sidewalks, concrete base		
and wearing surface, fur-	4 76	
nished and laid, @ 28c Extra work — Reset edge-	4 10	
stone, lay concrete base,		
relay granite block pav-		
ing with grout joints and		
lay brick sidewalks and		
artificial stone sidewalks		
in Market street, between		
Canal street and Portland		
street:		
416 linear feet existing edge-	104.00	
stone reset @ 30c.	124 80	
112 linear feet concrete base		
furnished and laid @	1.569.00	
\$14.	1,568 00	
721 square yards existing gran- ite block paving taken		
un cleaned piled and		
up, cleaned, piled and relaid, sand bed, grout		
joints, @ \$2.25	1,622 25	
180 square yards existing brick	,	
sidewalks relaid @ \$1 .	180 00	
875 square feet artificial stone		
sidewalks, concrete base		
and wearingsur face, fur-	24= 00	
nished and laid, @ 28c	245 00	
Extra work — Reset edge-		
stone, remove and fur-		
nish and lay concrete base where directed, re-		
lay granite block pave-		
ment with grout joints		
ment with grout joints and lay artificial stone		
sidewalks in Merrimac		
street, between Sudbury		
street and Portland		
street:		
11 cubic yards extra excava-	00.00	
tion @ \$2	$22 \ 00$	
728 square yards existing con-		
crete base excavated and	728 00	
removed, @ \$1	143 00	
stone reset @ 30c	113 10	
Storie reser to 300		
$Carried\ forward$	\$33,666 70	\$2,964[30

Brought forward	\$33,666 70	\$2,954 30	
furnished and laid, @ \$14	1,442 00		
859 square yards existing gran- ite block paving taken up. cleaned, piled and re- laid, sand bed and grout	7,112 00		
joints, @ \$2.25 3,340 square feet artificial stone	1,932 75		
sidewalks, concrete base and wearing surface, fur-			
nished and laid, @ 28c Extra work — Bar out,	935 20		
load and haul, granité paving blocks from area occupied by Boston Ele- vated Railway tracks in Merrimac street:			
113 square yards granite block barred out, loaded and			
hauled @ 50c	56 50		
Extra work — Reset edge-			
stone, relay granite block paving with grout joints			
and relay brick side-			
walks in Traverse street, between Canal street			
and Friend street:			
259 linear feet existing edge-	77 70		
stone reset @ 30c 540 square yards existing gran-	11 10		
ite block paving taken			
up, cleaned, piled and re- laid, sand bed, grout			
joints, @ \$2.25	1,215 00		
139 square yards existing brick	139 00		
sidewalks relaid @ \$1 .	159 00	39,464 85	
		\$12,429	15
River street, from bridge over Provide square. Length, 1,269 linear Edgestone reset, recut granite b track, concrete base and groum acadam foundation and artific	feet. Area, locks laid in c	6,020 square yar ar tracks and brows	ds.
Engineering		\$448 21	
Inspection		$634 08 \\ 23 05$	
Relocating pole Edgestone		$\begin{array}{ccc} 23 & 03 \\ 28 & 22 \end{array}$	
Edgestone		253 62	
Blocks, old granite recut Amount paid to Central Constru	action Com-	2,580 00	
pany, under contract: 29 cubic yards extra excava-	\$72 50		
tion @ \$2.50 . 47.7 tons crushed stone fur-	Φ12 30		
nished, placed, watered	170 40		
and rolled @ $$3.70$.	176 49		

Carried forward \$248 99

\$3,967 18

Brought forward	\$248	99	\$3,967	18
35 linear feet straight edge- stone set @ 28c	9	80		
75 linear fect circular edge- stone set @ 40c	30	00		
1,785 linear feet existing edge- stone reset @ 28c.	499	80		
1 square yard existing gran-	100	50		
ite block paving relaid, gravel joints, @ \$1.25.	1	25		
738 square yards existing gran- ite block paving recut and relaid in car tracks,				
concrete base, sand bed, grout joints, @ \$5.	3,690	00		
219 square vards existing gran- ite block paving relaid, in brows of car tracks,				
concrete base, sand bed and grout joints, @ \$5.	1,095	00		
5,748 square yards Topeka wear- ing surface, furnished and laid, on macadam				
foundation @ \$2.30 .	13,220	40		
6,031 square feet artificial stone foundation furnished and placed @ 6c	361	86		
14,369 square feet artificial stone sidewalks, concrete base and wearing surface, fur-				
nished and laid, @ 30e.,	4,310	70		
305 square feet artificial stone driveways, concrete base and wearing sur- face, furnished and laid,				
@ 35c	106	75		
17 covers reset @ \$3	51			
11 courses of brickwork laid @ 50c		50		
Extra work — Furnish and place plank at rail- road fence to support	J	50		
sidewalk:				
10 hours, carpenter, @ 90c.		00		
10 hours, carpenter, @ 90c. 20 hours' labor @ 45c.	9			
Plus 15 per cent on \$18. 470 feet B. M. 2-inch by 8-inch	2	70		
plank furnished and				
placed @ \$60 M.	28	20		
Extra work — Remove edgestone already set and construct driveway				
as directed and joint edgestone where				
directed:				
22 hours, stone cutter, @ \$1,	22	00		
8 hours' labor @ 55c	4			
Plus 15 per cent on \$26.40,	$\hat{3}$			
		_	23,710	
				- \$27,677 49

Robert street, from Belgrade avenue Engineering Engineering expense			0150	37
				\$161 97
Roxbury street, from Kent street to J Engineering	ohn Eli	ot squa	ere. (Work	k not started.) . \$4 00
Rutherford avenue, from Cambridge s in 1920.)	street te	o Chap	man street.	(Work done
Engineering expense				. \$0.60
Rutland street, and Rutland square, avenue. (Work not started.)	from V	Vashing	ton street	to Columbus
Engineering	•		\$128 	30 70 — \$133 00
Sarsfield street, from Tremont street	to Grin	nell str		
Engineering			\$41 1	60 30 — \$42 90
* Seaver street, from Blue Hill av- linear feet. Area, 3,209 squ asphalt concrete pavement laid stone sidewalks constructed.	enue to are ya d on ma	o Colui rds. I acadam	mbia road. Edgestone foundatio	Length, 651
Engineering Inspection Engineering expense Advertising Photographs Expert services Edgestone, 273 feet straight	· · · · · · · · · · · · · · · · · · ·		34	64 70 70 00 90
Credit: Blocks, old granite . Flagging, old			\$1,026	
Amount paid to Simpson Brother under contract: 1 cubic yard rock excavation @ \$5 224 tons crushed stone fur	n	oration \$5 00		65
nished, placed, watered and rolled @ \$2.75. 274 linear feet straight edge stone set @ 25e. 5 linear feet eircular edge	-	616 00 68 50	-	
stone set @ 30c 648 linear feet existing edge stone reset @ 23c 197 linear feet crushed ston	- .e	1 50 149 0		
and concrete foundatio furnished and placed @ 25e	<u>a</u>	49 2	_	2021.02
Carried forward		\$889 2	9	\$954 65

^{*} Done in connection with Columbus avenue.

$Brought\ forward$			
40 square yards existing gran-	\$889 29	\$954 65	
ite block paving relaid,	10.00		
gravel joints, @ \$1 44 square yards existing gran-	40 00		
ite block paving relaid in			
brows of car tracks,			
gravel base, sand bed and			
grout joints, @ \$2.50 .	110 00		
3,125 square yards asphalt con-			
crete pavement surface			
layer furnished and laid on macadam foundation			
@ \$2.18	6,812 50		
3,442 square feet artificial stone	0,012 00		
foundation furnished and			
placed @ 6c	206 - 52		
3,532 square feet artificial stone			
sidewalks, concrete base			
and wearing surface fur-	635 76		
nished and laid @ 18c 141 square feet artificial stone	055 10		
driveways, concrete base			
and wearing surface fur-			
nished and laid @ 25c	$35 \ 25$		
13 covers reset @ \$3.	39 00		
Extra work — Furnish and			
lay six (6) inch concrete			
base in dummy and brows of car tracks in Columbia			
road to conform with the			
construction already			
there:			
29 square yards concrete base			
furnished and laid @	50.55		
\$1.75	$50 \ 75$		
Section 1, Article E. over- haul:			
20 tons flagging hauled to			
Chestnut Hill Avenue			
Yard (instead of to High-			
land Street Yard), $3\frac{1}{2}$			
miles overhaul @ 15c.	21.00		
per ton per half mile .	21 00	8.840 07	
		0,040 01	\$9.794 72
Shawmut arenue, from Tremont str	reet to Roxbu	ry street. (Work no
started.)			
Engineering		\$436 67	
Engineering expense		27 40	
ingineering enpense			\$464_07
	D 1 1		Worl- not
South street, from Washington stre	et to Belgrad	e avenue. (HOIK HOU
started.)		0131 51	
Engineering		$\begin{array}{c} \$164 \ \$1 \\ 2 \ 00 \end{array}$	
Engineering expense		<u> </u>	\$166 81
			\$100 OI

Southampton street, from Alba	any	stree	t to	Mas	sachı	ısetts	avenue	. (Work
not started.) Engineering		•						\$34 00
Stoughton street, from Colum	bia	\mathbf{road}	to F	leas	ant s	treet.	(Wor	k done in
1920.) Engineering						,	\$3 00	
Engineering expense .	•	٠	•		•	-	30	\$3 30
Tremont street, from Dover st	reet	to N	Vorth	amp	oton s	street.	(Wor	k done in
1920.) Recut blocks								\$2 10
			~ .	٠				
Walpole street, from Tremont : Engineering	stree	et to	Grin:	nell	street		ork not 22 00	t started.)
Engineering expense .			:	:		ψ.	$\frac{22}{2} \frac{30}{30}$	
								\$24 30
Warren street, from Dudley str	reet	to Bl	ue H	ill a	venue	e. (W	ork no	t started.)
Engineering				•				\$10 00
Washington street, from Beach linear feet. Area, 942: pavement laid on conce structed. (Unfinished v	rete	base	and	art	eelan dgest ificial	d stre one re l ston	et. Le eset, wo e sidew	ength, 290 ood block calks con-
Engineering						\$	33 03	
Inspection Engineering expense .						:	$\begin{array}{ccc} 24 & 29 \\ 2 & 35 \end{array}$	
Expert services Stonecutter			:	:	:		$25 \ 02$	
Stonecutter							5 00	
Blocks, recut granite . Teaming	:	:	:	:		•	30 00 8 00	
						\$1	27 69	
Credit: Bricks, old sidewa	alk						42 00	
	5.1		1			\$	85 69	
Amount paid to James I tract:	Jone	erty,	unae	er co	on-			
15 linear feet circular edg set @ 39c	gesto	ne		\$5	85			
83 linear feet existing edg	gesto	$\dot{n}e$						
reset @ 30c 135 cubic yards concrete	- bs	ase		24	90			
furnished and laid (@\$	11,	1,	485	00			
68 square yards existing a block paving relaid,								
joints, @ \$1 .	•			68	00			
92 square yards granite paving recut and	rela	id.						
sand bed and grout	join	ıts,		00-	16			
@ \$2.23 192 square yards existing	gra	an-		205	10			
192 square yards existing ite block paving	rela	id,		353	28			
grout joints, @ \$1	00	•				_	05.00	
${\it Carried\ forward\ }$			\$2,	142	19	\$	85 69	

Brought forward	\$2,142 19	\$85 69
laid @ \$5.19 68 square yards existing brick	3,062 10	
sidewalks relaid @ 55c 686 square feet artificial stone sidewalks, concrete base	37 40	
and wearing surface fur- nished and laid @ 32c	219 52	
5 covers reset @ \$3	15 00	
Less amount paid in 1920.	\$5,476 21 4,030 46	
ness amount part in 1020 .		1,445 75
		$ \frac{\$1,531 \ 44}{$
Washington street, West Roxbury, fr Corinth street. Length, 3,38 yards. Edgestone set and re- granite block pavement laid on 6 and recut blocks on 6-inch cone	7 linear fee eset, gravel 5-inch concret	t. Area, 16,559 square sidewalk graded, 5-inch e base, each side of track,
finished work from 1920.) Engineering		\$530 08
Engineering expense		$\frac{$950 - 63}{25 - 10}$
Edgestone		$\begin{array}{c} 186 \ \ 45 \\ 2 \ \ 70 \end{array}$
Lumber		$373 \ \ 20$
Amount paid to Boston Elevated I	Railway Com-	
pany: 6,251 square yards paving barred		
out and blocks recut @ \$1.13,	\$7,063 63	
5,654 square yards concrete base and basing laid @ \$3.52.	19,870 40	
Amount paid to William J. Barry tract:		26,934 03
Removing trees, bushes, etc	\$100 00	
13 eubic yards rock exeava-		
tion @ \$5 4,413 linear feet straight edge-	65 00	
stone set @ 30c	1,323 90	
369 linear feet circular edge- stone set @ 30c	110 70	
1,397 linear feet existing edge- stone reset @ 30c.	419 10	
560 linear feet crushed stone		
and concrete foundation furnished and placed @		
10c	56 00	
12,939 square yards granite block paving furnished and laid, concrete base, sand		
bed and grout joints, @ \$7.75	100,277 25	
20 square yards granite block	, =	
paving relaid, gravel base, sand bed and grout		
joints, @ \$2	40 00	
Carried forward	\$102,391 95	\$28,051 56

Brought forward 73 square yards existing brick sidewalks relaid @ 50c., 240 square feet artificial stone foundation furnished and placed @ 6c					
sidewalks relaid @ 50c., 240 square feet artificial stone foundation furnished and placed @ 6c	Brought forward	\$102,391	95	\$28,051 56	•
240 square feet artificial stone foundation furnished and placed @ 6c	sidewalks relaid @ 50c	36	50		
foundation and placed @ 6c. 1,448 square feet artificial stone sidewalks, concrete base and wearing surface, furnished and laid, @ 30c. 18 covers reset @ \$3		,			
and placed @ 6c	foundation furnished				
sidewalks, concrete base and wearing surface, furnished and laid, @ 30c., 18 covers reset @ \$3	and placed @ 6c	14	40		
and wearing surface, furnished and laid, @ 30c., 18 covers reset @ \$3 . 54 00 1 Bradley head catch-basin reset @ \$5 . 500 courses of brickwork laid @ 50c 250 3,248 square yards gravel sidewalks placed, shaped, watered and rolled @ 30c					
nished and laid, @ 30c., 18 covers reset @ \$3 . 54 00 1 Bradley head catch-basin reset @ \$5 5 00 5 courses of brickwork laid @ 50c					
18 covers reset @ \$3 . 1 1 Bradley head catch-basin reset @ \$5	nished and laid. @ 30c	434	40		
reset @ \$5	18 covers reset @ \$3				
5 courses of brickwork laid @ 50c	1 Bradley head catch-basin	_	0.0		
@ 50c	reset @ \$5	9	00		
3,248 square yards gravel sidewalks placed, shaped, watered and rolled @ 30c		2	50		
walks placed, shaped, watered and rolled @ 30c	3.248 square vards gravel side-	_			
Extra work — F u r n i s h and lay granite block paving, gravel base, grout joints on ap- proaches as directed: 116 square yards granite block paving furnished and laid, gravel base and grout joints, @ \$5.75 . Extra work — Grade ap- proaches to Murray Hill road and place crushed stone to back up paving at side streets of Wash- ington street: 1 day, foreman, @ \$8 8 00 5½ days' labor @ \$5.60 30 80 Plus 15 per cent on \$38.80, 5 82 J day, auto truck, @ \$35 Extra work — Haul exca- vated material to Walter street at Centre street: 4 days, auto truck, @ \$35 . Extra work — Haul sur- plus recut blocks of Boston Elevated Rail- way Company to Bel- grade avenue: 1 day, foreman, @ \$8 8 00 12½ days' labor @ \$5.60	walks placed, shaped,				
Extra work — F u r n i s h and lay granite block paving, gravel base, grout joints on ap- proaches as directed: 116 square yards granite block paving furnished and laid, gravel base and grout joints, @ \$5.75 . Extra work — Grade ap- proaches to Murray Hill road and place crushed stone to back up paving at side streets of Wash- ington street: 1 day, foreman, @ \$8		071	10		
and lay granite block paving, gravel base, grout joints on ap- proaches as directed: 116 square yards granite block paving furnished and laid, gravel base and grout joints, @ \$5.75 . 667 00 Extra work — Grade ap- proaches to Murray Hill road and place crushed stone to back up paving at side streets of Wash- ington street: 1 day, foreman, @ \$8	500 Furnish	974	40		
proaches as directed: 116 square yards granite block paving furnished and laid, gravel base and grout joints, @ \$5.75 . Extra work — Grade approaches to Murray Hill road and place crushed stone to back up paving at side streets of Washington street: 1 day, foreman, @ \$8	and lay granite block				
proaches as directed: 116 square yards granite block paving furnished and laid, gravel base and grout joints, @ \$5.75 . Extra work — Grade approaches to Murray Hill road and place crushed stone to back up paving at side streets of Washington street: 1 day, foreman, @ \$8	paving, gravel base,				
proaches as directed: 116 square yards granite block paving furnished and laid, gravel base and grout joints, @ \$5.75 . Extra work — Grade approaches to Murray Hill road and place crushed stone to back up paving at side streets of Washington street: 1 day, foreman, @ \$8	grout joints on ap-				
paving furnished and laid, gravel base and grout joints, @ \$5.75 . Extra work — Grade approaches to Murray Hill road and place crushed stone to back up paving at side streets of Washington street: 1 day, foreman, @ \$8	proaches as directed:				
laid, gravel base and grout joints, @ \$5.75 . Extra work — Grade approaches to Murray Hill road and place crushed stone to back up paving at side streets of Washington street: 1 day, foreman, @ \$8	naving furnished and				
Extra work — Grade approaches to Murray Hill road and place crushed stone to back up paving at side streets of Washington street: 1 day, foreman, @ \$8	laid, gravel base and				
Extra work — Grade approaches to Murray Hill road and place crushed stone to back up paving at side streets of Washington street: 1 day, foreman, @ \$8	grout joints, @ \$5.75 .	667	00		
road and place crushed stone to back up paving at side streets of Washington street: 1 day, foreman, @ \$8	Extra work — Grade ap-				
stone to back up paving at side streets of Washington street: 1 day, foreman, @ \$8					
at side streets of Washington street: 1 day, foreman, @ \$8					
1 day, foreman, @ \$8					
5½ days' labor @ \$5.60		0	00		
Plus 15 per cent on \$38.80, 1 day, auto truck, @ \$35 . 29 tons crushed stone placed @ \$2.75 Extra work — Haul excavated material to Walter street at Centre street: 4 days, auto truck, @ \$35 . Extra work — Haul surplus recut blocks of Boston Elevated Railway Company to Belgrade avenue: 1 day, foreman, @ \$8] day, foreman, @ \$8				
1 day, auto truck, @ \$35 . 35 00 29 tons crushed stone placed	Plus 15 per cent on \$38.80.				
@ \$2.75	1 day, auto truck, @ \$35 .				
vated material to Walter street at Centre street: 4 days, auto truck, @ \$35. Extra work — Haul surplus recut blocks of Boston Elevated Railway Company to Belgrade avenue: 1 day, foreman, @ \$8	29 tons crushed stone placed	70			
vated material to Walter street at Centre street: 4 days, auto truck, @ \$35. Extra work — Haul surplus recut blocks of Boston Elevated Railway Company to Belgrade avenue: 1 day, foreman, @ \$8 8 00 12½ days' labor @ \$5.60. 70 00 Plus 15 per cent on \$78. 11 70 3½ days, auto truck, @ \$35. Extra work — Replace concrete base removed by Water Service: 3⅓ square vards concrete replaced @ \$2.85. 950 Extra work — Re move buried stump in edgestone trench:	@ \$2.75	79	75		
street at Centre street: 4 days, auto truck, @ \$35. Extra work — Haul surplus recut blocks of Boston Elevated Railway Company to Belgrade avenue: 1 day, foreman, @ \$8. 12½ days' labor @ \$5.60. Plus 15 per cent on \$78. 11 70 3½ days, auto truck, @ \$35. Extra work — Replace concrete base removed by Water Service: 3⅓ square yards concrete replaced @ \$2.85. Extra work — Re move buried stump in edgestone trench:					
4 days, auto truck, @ \$35 . Extra work — Haul surplus recut blocks of Boston Elevated Railway Company to Belgrade avenue: 1 day, foreman, @ \$8					
plus recut blocks of Boston Elevated Rail- way Company to Bel- grade avenue: 1 day, foreman, @ \$8 8 00 12½ days' labor @ \$5.60 70 00 Plus 15 per cent on \$78	4 days, auto truck, @ \$35.	140	00		
Boston Elevated Railway Company to Belgrade avenue: 1 day, foreman, @ \$8	Extra work — Haul sur-				
way Company to Belgrade avenue: 1 day, foreman, @ \$8	Boston Elevated Rail-				
grade avenue: 1 day, foreman, @ \$8 8 00 12½ days' labor @ \$5.60 70 00 Plus 15 per cent on \$78					
12½ days' labor @ \$5.60		_			
Plus 15 per cent on \$78 . 11 70 3½ days, auto truck, @ \$35 . 122 50 Extra work — Replace concrete base removed by Water Service: 3⅓ square yards concrete replaced @ \$2.85 . 9 50 Extra work — Remove buried stump in edgestone trench:	1 day, foreman, @ \$8				
3½ days, auto truck, @ \$35 . 122 50 Extra work — Replace concrete base removed by Water Service: 3⅓ square yards concrete re- placed @ \$2.85 . 9 50 Extra work — Remove buried stump in edge- stone trench:	$12\frac{1}{2}$ days' labor (@ \$5.50 Plus 15 per cent on \$78				
Extra work — Replace concrete base removed by Water Service: 3\frac{1}{3}\square yards concrete re- placed @ \\$2.85 \ . 9 50 Extra work — Remove buried stump in edge- stone trench:	3½ days, auto truck, @ \$35.				
by Water Service: 3\frac{1}{3} square yards concrete replaced @ \\$2.85 \ . 950 Extra work — Remove buried stump in edgestone trench:	Extra work — Replace				
3½ square vards concrete replaced @ \$2.85					
placed @ \$2.85 9 50 Extra work — Remove buried stump in edge- stone trench:					
Extra work — Remove buried stump in edge- stone trench:	$5_{\overline{3}}$ square valus concrete replaced @ \$2.85	9	50		
buried stump in edge- stone trench:	Extra work — Remove	_			
0.00.00.00.00.00.00.00.00.00.00.00.00.0	buried stump in edge-				
Carried forward \$105,101 22 \$28,051 56	stone trench:				_
	Carried forward	\$105,101	22	\$28,051 56	6

Brought forward 1 day's labor @ \$5.60 . Plus 15 per cent on \$5.60, Extra work — Light dummy of track location during suspension of work by Boston Eleva-	\$105,10 ₁ 5	22 60 84	\$28,051	56	
ted Railway Company:	- 0 -				
$18\frac{3}{4}$ days' labor @ \$5.60 . Plus 15 per cent on \$105,	105 15	7.5			
2,650 lights (breakage and oil) @ 10c	265	00			
Less amount paid in 1920,	\$105,493 98,837	61	6,655		94.707.96
					34,707 36
Washington street, from Market stree in 1919 and 1920.)					Work done
Engineering			\$36 1	12 80	
Engineering expense		•			\$37 92
*Washington street, from Corinth str	eet to Wes	st Roy	dury Pa	arkv	vav.
Engineering			\$151	73	
Engineering expense		•		60	\$ 152 33
Washington street, from Dudley streen not started.)					
Engineering			\$1,135	43	
not started.) Engineering Engineering expense		•	23	50 —	\$1.158 93
Webster avenue, from Hanover street constructed.)					stone walk
Engineering			\$30	68	
Engineering Inspection Engineering expense Amount paid to Joseph A. Singarel			10	95	
Amount paid to Joseph A. Singarel 3,060 square yards of artificial stor	la: ve laid @ 2'	7e	826	20	
5,000 square yards of artificial stor	ic mid @ 2			_	\$873 17
Weston street, from Tremont street	t to Colu	mbus	avenue	. (Work not
started.) Engineering Engineering expense			\$11	00	
Engineering expense			\$11 1	00	
					\$12 00
West Newton street, from Tremont s 757 linear feet. Area, 2,885 squeencrete pavement laid on mac	ıare vards	. Ed	gestone	rese	et, asphalt
sidewalks constructed. Engineering Inspection			\$207 176	41	
Carried forward					
Curren jornalu					

^{*} See Washington street special.

Brought forward				\$383	71
Engineering expense		•	•	φυσυ 1 9	
			•	3;	
Advertising		•	•	9 9	
Edgestone			•	50	
Blocks		•	•	23	
Diocks		•		20	10
				\$473	10
Credit: Bricks, old sidewalk				$\frac{\varphi_{213}}{285}$	
Cledit. Dricks, old sidewark		•		200 /	40
				\$187	 25
Amount paid to Andrews Cons	truction	Co	100	\$107	50
pany, under contract:	struction	CO	111-		
Removing trees, bushes					
etc		\$25	00		
1,143 tons crushed stone fur		Φ 4 0	00		
nished pleased waters	- -1				
nished, placed, watere and rolled @ \$3 .	u	342	00		
19 linear feet circular edge		044	90		
	;-	4	75		
stone set @ 25c		4	70		
1,488 linear feet existing edge	;-	372	00		
stone reset @ 25c.		512	00		
18 square yards existing gran					
ite block paving relaid	1,	10	00		
gravel joints, @ \$1.	•	18	UU		
26 square yards existing gran	1− -1				
ite block paving relai	α				
in driveways and edg					
ings, gravel base, san		-0	00		
bed, grout joints, @ \$2	4,	52	UU		
2,841 square yards asphalt con					
crete pavement surfac					
layer furnished and lai					
on macadam founda		010	40		
tion @ \$2.40		818	40		
68 square yards existing bric		0.0	00		
sidewalks relaid @ \$1		68	00		
10,291 square feet artificial ston					
sidewalks, concrete bas					
and wearing surface, fur	·-		0.0		
nished and laid, @ 23d	\mathbf{c} . \mathbf{c}	366			
2 covers reset @ \$3	;	6	00		
1 course of brick work laid	d				
@ 50e .			50	10 OF :	4.0
				10,074	
					$-\$10,262\ 33$

STREETS CONSTRUCTED OR IN THE PROCESS OF CONSTRUCTION UNDER CHAPTER 393 OF THE ACTS OF 1906, AND THE COST CHARGED TO THE APPROPRIATION FOR HIGHWAYS, MAKING OF.

Albany street, from Broadway to about 75 feet south of Troy street. Length, 821 feet. Area, 5,340 square yards. Edgestone reset, granite block paving laid, grout joints on a 6-inch concrete base and brick sidewalks relaid on the west side. In connection with this contract work was done in Oak street, Lehigh street and Broadway.

Engineering Inspection		:				$$254 21 \\ 318 95$
Carried foru	vard					\$573 16

$Brought\ forward$. \$573 16
Engineering expense		. 22 90
Stone-cutter		. 55 00
Handling stock		. 2 00
Edgestone		50 10
Dui-la		954 87
		. 12 00
Teaming	4i' D.ii	. 12 00
Amount paid to Boston Eleva	ted Kanw	ay
Company for work done and n	nateriais 10	
nished		. 696 03
		62.222.22
G 11 - F1 - 11 - 11		\$2,366 06
Credit: Blocks, old granite .		. 1 20
		\$2,364 86
Amount paid to James Doherty, un	nder contra	ct:
3,704 cubic yards filling furnished		
@ \$1.65	\$6,111	60
142 cubic yards earth excava-	,	
tion @ \$1.25	177	50
290 square yards existing con-		90
crete base excavated and		
removed @ \$1	200	00
20 arbis words and four	290	00
30 cubic yards wall and foun-		
dation excavated and re-	150	0.0
moved @ \$5	150	00
121 linear feet circular edge-		
stone set @ 48c	58	08
2,606 linear feet existing edge-		
stone reset @ $49c$	1,276	94
1,005 cubic yards concrete base		
furnished and laid @		
\$15.25 · · · ·	15,326	25
365 square yards existing gran-	,	
ite block paving relaid,		
gravel joints, @ \$1.50	547	50
2,004 square yards granite block	011	00
paving furnished and		
laid, sand bed and grout		
: : : : : : : : : : : : : : : : : : : :	11 569	06
	11,563	00
3,857 square yards existing gran-		
ite block paving taken		
up, cleaned, piled and		
relaid, sand bed and	0.050	0.0
grout joints, @ \$2.40	9,256	80
1,189 square yards existing gran-		
ite block paying taken		
up, cleaned, piled and re-		
laid, gravel base, sand		
bed and grout joints, @		
\$2.49	2,960	61
726 square yards brick side-		
walks laid @ 83c	602	58
1,274 square yards existing brick		
sidewalks relaid @ 59c	751	66
8,000 second-hand sidewalk brick		
loaded and hauled from		
Massachusetts avenue lot		
(a, \$4 per M	32	00
11 covers reset (a, \$3	33	
		-
1 Bradley head catch-basin		
1 Bradley head catch-basin reset @ \$5	5	00
1 Bradley head catch-basin reset @ \$5	5	00
1 Bradley head catch-basin reset @ \$5	5 \$49,142	

$Brought\ forward\ .$	\$49,142	60	\$2,364 86
19 courses of brickwork laid			/-
@ 50c	9	50	
61 linear feet wood fence built		-	
@ \$2.25	137	25	
1 cubic vard concrete back-			
1 cubic yard concrete back- ing furnished and placed			
@ \$96	26	ΛΛ	
@ \$26	20	00	
Extra Work — Dar Out,			
clean, pile and relay existing brick block pave-			
isting brick block pave-			
ment on a cement mortar			
bed with grout joints in Seneca street, from Al-			
Seneca street, from Al-			
bany street about 150			
feet westerly:			
221 square yards existing brick			
block barred out, cleaned			
piled and relaid on ce-			
ment mortar bed, with			
grout joints, @ \$1.75 .	386	75	
Extra Work — Remove old	900		
posts and timber from			
line of widening in Al-			
bany street:			
157 hours' labor @ 70c	109	QΩ	
Plus 15 per cent on \$109.90,		49	
Extra Work — Furnish and	10	10	
lay new wood block pave-			
ment at intersection of			
Albany street and Broad-			
way to meet change of			
grade:			
grade: 60 square yards wood block			
grade: 60 square yards wood block pavement furnished and	9.40	00	
grade: 60 square yards wood block	342	00	
grade: 60 square yards wood block pavement furnished and			
grade: 60 square yards wood block pavement furnished and laid @ \$5.70	\$50,170	49	
grade: 60 square yards wood block pavement furnished and laid @ \$5.70		49	20 202 10
grade: 60 square yards wood block pavement furnished and laid @ \$5.70	\$50,170	49	38,862 18
grade: 60 square yards wood block pavement furnished and laid @ \$5.70	\$50,170	49	38,862 18 ————————————————————————————————————
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920	\$50,170 11,308	49 31	\$41,227 04
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 . Alger street, from Dorchester avenue	\$50,170 11,308	49 31	\$41,227 04
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920	\$50,170 11,308	49 31	\$41,227 04
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 . Alger street, from Dorchester avenue	\$50,170 11,308	49 31	\$41,227 04
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 . Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering	\$50,170 11,308	49 31	New Haven & Hartford
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering	\$50,170 11,308	49 31	<u>\$41,227_04</u> New Haven & Hartford \$30_67
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 . Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering	\$50,170 11,308	49 31	<u>\$41,227_04</u> New Haven & Hartford \$30_6730
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense	\$50,170 11,308 to New Y	49 31 ork,	\$41,227 04 New Haven & Hartford \$30 67 30 \$30 97
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 . Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense Allenwood street, from Anawan avenue	\$50,170 11,308 to New Y	49 31 ork,	\$\frac{\\$41,227\ 04}{\}\$. New Haven & Hartford \$\\$30\ 67\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 . Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense Allenwood street, from Anawan avenu feet. Area, 1,468 square yards	\$50,170 11,308 to New Y	49 31 ork,	\$\frac{\\$41,227\ 04}{\}\$. New Haven & Hartford \$\\$30\ 67\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 . Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense Allenwood street, from Anawan avenu feet. Area, 1,468 square yards (Work unfinished.)	\$50,170 11,308 to New Y	49 31 ork,	\$41,227 04 New Haven & Hartford \$30 67 30 \$30 97 oad. Length, 507 linear set, concrete base laid.
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense Allenwood street, from Anawan avenu feet. Area, 1,468 square yards (Work unfinished.) Engineering Engineering	\$50,170 11,308 to New Y	49 31 ork,	\$41,227 04 New Haven & Hartford \$30 67 30 \$30 97 oad. Length, 507 linear set, concrete base laid.
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense Allenwood street, from Anawan avenu feet. Area, 1,468 square yards (Work unfinished.) Engineering Engineering	\$50,170 11,308 to New Y	49 31 ork,	\$41,227 04 New Haven & Hartford \$30 67 30 \$30 97 oad. Length, 507 linear set, concrete base laid. \$410 23 523 79
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense Allenwood street, from Anawan avenu feet. Area, 1,468 square yards (Work unfinished.) Engineering Engineering	\$50,170 11,308 to New Y	49 31 ork,	**S41,227 04 New Haven & Hartford \$30 67 30 \$30 97 oad. Length, 507 linear set, concrete base laid. \$410 23 523 79 9 30
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense Allenwood street, from Anawan avenu feet. Area, 1,468 square yards (Work unfinished.) Engineering Engineering	\$50,170 11,308 to New Y	49 31 ork,	\$\frac{\$41,227 04}{\text{New Haven & Hartford}}\$ \$\frac{\$30 67}{30}\$ \$\frac{30 97}{\text{oad. Length, 507 linear set, concrete base laid.}}\$ \$\frac{\$410 23}{523 79}\$ \$\frac{9 30}{2 07}\$
grade: 60 square yards wood block pavement furnished and laid © \$5.70 Less amount paid in 1920 . Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense Allenwood street, from Anawan avenu feet. Area, 1,468 square yards (Work unfinished.) Engineering Inspection Engineering expense Advertising Templets	\$50,170 11,308 to New Y	49 31 ork,	\$\frac{\$41,227 04}{\text{New Haven & Hartford}}\$ \$\frac{\$30 67}{30}\$ \$\frac{30 97}{\text{oad. Length, 507 linear set, concrete base laid.}}\$ \$\frac{\$410 23}{523 79}\$ \$\text{9 30}{2 07}\$ \$\frac{207}{13 41}\$
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense Allenwood street, from Anawan avenu feet. Area, 1,468 square yards (Work unfinished.) Engineering Inspection Engineering expense Advertising Templets Edgestone	\$50,170 11,308 to New Y te to Peltt Edgest	49 31 Fork,	\$\frac{\$41,227 04}{\text{New Haven & Hartford}}\$ \$\frac{\$30 67}{30}\$ \$\frac{30 97}{\text{oad. Length, 507 linear set, concrete base laid.}}\$ \$\frac{\$410 23}{523 79}\$ \$\frac{9 30}{2 07}\$
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense Allenwood street, from Anawan avenu feet. Area, 1,468 square yards (Work unfinished.) Engineering Inspection Engineering expense Advertising Templets Edgestone Amount paid to John T. Shea, Jr	\$50,170 11,308 to New Y te to Pelte Edgess	49 31 Fork,	\$\frac{\$41,227 04}{\text{New Haven & Hartford}}\$ \$\frac{\$30 67}{30}\$ \$\frac{30 97}{\text{oad. Length, 507 linear set, concrete base laid.}}\$ \$\frac{\$410 23}{523 79}\$ \$\text{9 30}{2 07}\$ \$\frac{207}{13 41}\$
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense Allenwood street, from Anawan avenue feet. Area, 1,468 square yards (Work unfinished.) Engineering Inspection Engineering expense Advertising Templets Edgestone Amount paid to John T. Shea, Jr tract:	\$50,170 11,308 to New Y te to Pelte Edgess	49 31 Fork,	\$\frac{\$41,227 04}{\text{New Haven & Hartford}}\$ \$\frac{\$30 67}{30}\$ \$\frac{30 97}{\text{oad. Length, 507 linear set, concrete base laid.}}\$ \$\frac{\$410 23}{523 79}\$ \$\text{9 30}{2 07}\$ \$\frac{207}{13 41}\$
grade: 60 square yards wood block pavement furnished and laid \$5.70 Less amount paid in 1920 . Less amount paid in 1920 . Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense Allenwood street, from Anawan avenu feet. Area, 1,468 square yards (Work unfinished.) Engineering Inspection Engineering expense Advertising Templets Edgestone Amount paid to John T. Shea, Jr tract: Removing trees, bushes,	\$50,170 11,308 to New Y te to Pelte Edges	49 31 fork,	\$\frac{\$41,227 04}{\text{New Haven & Hartford}}\$ \$\frac{\$30 67}{30}\$ \$\frac{30 97}{\text{oad. Length, 507 linear set, concrete base laid.}}\$ \$\frac{\$410 23}{523 79}\$ \$\text{9 30}{2 07}\$ \$\frac{207}{13 41}\$
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense Allenwood street, from Anawan avenue feet. Area, 1,468 square yards (Work unfinished.) Engineering Inspection Engineering expense Advertising Templets Edgestone Amount paid to John T. Shea, Jr tract:	\$50,170 11,308 to New Y te to Pelte Edgess	49 31 fork,	\$\frac{\$41,227 04}{\text{New Haven & Hartford}}\$ \$\frac{\$30 67}{30}\$ \$\frac{30 97}{\text{oad. Length, 507 linear set, concrete base laid.}}\$ \$\frac{\$410 23}{523 79}\$ \$\text{9 30}{2 07}\$ \$\frac{207}{13 41}\$
grade: 60 square yards wood block pavement furnished and laid @ \$5.70 Less amount paid in 1920 Alger street, from Dorchester avenue Railroad. (Work not started.) Engineering Engineering expense Allenwood street, from Anawan avenu feet. Area, 1,468 square yards (Work unfinished.) Engineering Inspection Engineering expense Advertising Templets Edgestone Amount paid to John T. Shea, Jr tract: Removing trees, bushes,	\$50,170 11,308 to New Y 	49 31 fork,	\$\frac{\$41,227 04}{\text{New Haven & Hartford}}\$ \$\frac{\$30 67}{30}\$ \$\frac{30 97}{\text{oad. Length, 507 linear set, concrete base laid.}}\$ \$\frac{\$410 23}{523 79}\$ \$\text{9 30}{2 07}\$ \$\frac{207}{13 41}\$

Brought forward	\$25 1,340		\$2,293 42	
$6\frac{1}{2}$ cubic yards rock excavation @ \$6	39			
163 cubic yards extra excavation @ \$1.50	244			
$230\frac{1}{2}$ tons crushed stone furnished, placed, watered and rolled, @ \$3	691	50		
904 linear feet straight edge- stone set @ 24c	216	96		
54 linear feet circular edge- stone set @ 25c	13	50		
45 linear feet existing edge- stone reset @ 14c	6	30		
1,481 square yards concrete base, asphalt binder, sheet as- phalt surface layer, fur- nished and laid (un- finished), @ \$1.15.	1,703	15		
6,200 square feet artificial stone foundation furnished and placed @ 1c S covers reset @ \$3 5 courses of brickwork laid @ 50c	62 24			
a 50c	\$4,368 218	41	4,149 99	
			 \$6,443 41	
Arborway, from Forest Hills street to	o Morton	stre	et. (Work started, no	
payment made.)	o Morton	stre	,	
payment made.) Engineering	Morton	stre	\$389 00	
payment made.) Engineering Inspection		stre	,	
payment made.) Engineering		stre	\$389 00 405 77	
payment made.) Engineering	e to Irm	a str	\$389 00 405 77 8 30 5 81 ————————————————————————————————————	
payment made.) Engineering	e to Irm	a str	\$389 00 405 77 8 30 5 81	
payment made.) Engineering Inspection Engineering expense Advertising Arbutus street, from Blue Hill avenuates, 2,011 square yards. Edg 4 inch concrete base and artificial Engineering	e to Irm	a str	\$389 00 405 77 8 30 5 81 ————————————————————————————————————	
payment made.) Engineering	e to Irm	a str	\$389 00 405 77 8 30 5 81	
payment made.) Engineering	te to Irmestone set	a str . Todewa	\$389 00 405 77 8 30 5 81	
payment made.) Engineering	te to Irmestone set	a str . Todewa	\$389 00 405 77 8 30 5 81	
payment made.) Engineering	ue to Irmestone set l stone si	a str . To dewa	\$389 00 405 77 8 30 5 81	
payment made.) Engineering	ue to Irmestone set l stone si	a str . To dewa	\$389 00 405 77 8 30 5 81	
payment made.) Engineering	ue to Irmestone set l stone si	a str Todewa	\$389 00 405 77 8 30 5 81	
payment made.) Engineering	te to Irmestone set al stone si	a str.	\$389 00 405 77 8 30 5 81	
payment made.) Engineering	te to Irmestone set al stone si	a str.	\$389 00 405 77 8 30 5 81	
payment made.) Engineering	te to Irmestone set al stone si control feet circulation, und	a str.	\$389 00 405 77 8 30 5 81	

Brought forward	\$1,305	00	\$ 967-32
130 cubic yards filling furnished			
@ \$ 3	390	00	
6 cubic yards extra excava-			
tion @ \$1	6	00	
1,221 linear feet straight edge-			
stone set @ $35c$	427	35	
38 linear feet circular edge-			
stone set @ 35c	13	30	
75 linear feet existing edge-			
stone reset @ 35c	26	25	
5 square yards existing gran-			
ite block paving relaid			
in edgings, concrete base,			
sand bed and grout			
joints, @ \$3	15	00	
2,011 square yards concrete base			
and Topeka wearing sur-			
face, furnished and laid,			
@ \$3.75	7,541	25	
29 square yards bituminous	,		
wearing surface, furnished			
and laid, on macadam			
foundation, @ \$2.15	62	35	
8,119 square feet artificial stone			
foundation furnished and			
placed @ 10c 8,357 square feet artificial stone	811	90	
8,357 square feet artificial stone			
sidewalks, concrete base			
and wearing surface, fur-			
nished and laid, @ 27c.,	2,256	39	
11 covers reset (a \$3	33	00	
2 courses of brickwork laid			
(a 50c	1	00	
			12.888 79

12,888 79 \$13,856 11

Archdale rowl, from Washington street to South street. Length, 446 feet. Area, 1,312 square yards. Grading, edgestone set and reset, Topeka pavement hid on 4-inch concrete base and artificial stone sidewalks constructed. Gravel sidewalks constructed and bituminous pavement on macadam foundation laid at South street.

in intertain formation and at cours effect.	
gineering	\$120 10
pection	302 94
gineering expense	75
gestone, 821 feet straight, 12 small corners	
nd 148 feet circular	2,040 78
nount paid to Martino DeMatteo, under	
contract:	
91 cubic yards earth excava-	
tion @ \$1.60 \$1,105 60	
46 cubic yards extra excava-	
tion @ \$2	
13 linear feet straight edge-	
stone set @ 27c	
80 linear feet circular edge-	
stone set @ 30c 54 00	
19 linear feet existing edge-	
stone reset @ 30c 35 70	
5.010 1000 (6.000	
Carried forward \$1,506-81	\$2,464 57

Brought forward . 1,684 square yards concrete base and Topeka wearing sur-	\$1,506	81	\$2,464	57
face, furnished and laid, @ \$3.60 268 square yards bituminous	6,062	40		
wearing surface, furnished and laid, on macadam foundation, @ \$2.10				
5,712 square feet artificial stone	562	80		
foundation furnished and placed @ 10c 4,983 square feet artificial stone	571	20		
sidewalks, concrete base and wearing surface, fur- nished and laid, @ 22c., 490 square feet artificial stone	1,096	26		
driveways, concrete base and wearing surface, fur-				
nished and laid, @ 50e.,	245	00		
26 covers reset @ \$3	78	00		
9 courses of brickwork laid		0.,		
	4	50		
@ 50c	4	90		
155 square yards gravel side-				
walks placed, shaped,				
walks placed, shaped, watered and rolled, @				
50c	77	50		
Extra work — Furnish	• •	.,0		
and place cinder found-				
ation under edgestone on				
northerly side of street:				
northerly side of street: 37 cubic yards cinder founda-				
tion furnished and placed				
		00		
@ \$2	7-1	00		
Extra work — Furnish				
and place 2-inch plank				
back of sidewalks on				
back of sidewalks on north side as directed:				
Fro fact D. M. alada familia da				
550 feet B. M. plank furnished				
and placed @ \$50,	27	50		
			=10,305,97	•
				-
				\$12,770 54
4.77		*****		/337 1 4
Ashland street, from Hyde Park av	renue to	With	not street.	(Work not
started.)				
Engineering				\$61 36
		-		
D-11		D.	e 4.11	D - H 1
Babcock street, from Commonwealth	avenue to	Bos	ton & Amai	iy Kanroad.
Length, 953 feet. Area, 4,141 s	square yaı	rds.	Edgestone	set, Topeka-
pavement laid on 4-inch concr	ete base a	and :	artificial sto	ne sidewalk
constructed. A wooden fence	vas built .	acros	s the end o	of the street
at the railroad,				
			#100 10	
Engineering			\$109 18	
Inspection Engineering expense			199 - 40	
Engineering expense			3 60	
Edgestone			$164 \ 42$	
Blocks, recut granite, 177 feet str	night	•	28 80	
	-	•		
Teaming		•	7 20	
0 - 1 1 1			0.510.00	
Carried forward			\$512 60	

Brought forward		@#10 ao
Amount paid to Rowe Contracting	ng Company,	\$512 60
under contract: 2,328 cubic yards earth excava-		
tion @ \$1.90	\$4,423 20	
1,389 linear feet straight edge-		
stone set @ 40c 148 linear feet circular edge-	555 60	
stone and corners set @		
45c	66 60	
furnished and laid @		
\$12 .	$5,520\ 00$	
49 square yards granite block pavement hauled and		
laid in brows and dum-		
my of car tracks, sand bed and grout joints,		
@ \$2.25	$110 \ 25$	
10 square yards granite block pavement hauled and		
laid in edgings, sand bed		
and grout joints, @ \$2.75	27 50	
4,082 square yards Topeka wear-	2. 00	
ing surface furnished and laid @ \$2.10.	8,572 20	
14,082 square feet artificial stone	0,012 20	
foundation furn is hed and placed @ 2c	281 64	
12,977 square feet artificial stone	201 01	
sidewalks, concrete base and wearing surface,		
furnished and laid, @		
25c	$3,244\ 25$	
driveways, concrete base		
and wearing surface, furnished and laid, @		
27c	$298 \ 35$	
2 covers reset @\$3	6 00	

Wood fence furnished, built and painted.	150 00	
bant and paritied		
Less amount paid in 1920,	$$23,255 59 \\ 16,610 15$	
ness amount pare in 1920,		6,645 44
		\$7,158 04
Balsam street, from Ashton street to	Irma street	(Work not started.)
Engineering		\$97 27
Engineering expense		3 30
Advertising		1 97 \$102 54

Beech street, from West Roxbury Parkway to Belgrade avenue. Length, 158 feet and extension 541 feet. Area, 700 square yards and extension 2.525 square yards. Grading, edgestone set and reset. Topeka pavement laid on 6-inch concrete base and artificial stone sidewalks constructed. (Unfinished work from 1920.)

Engineering		\$43 20 103 55 186 62 \$332 37
Amount paid to Rowe Contractin	g Company	ФОО⊿ О/
under contract:	g company,	
388 cubic yards earth excava-		
vation @ \$1.90	\$737 20	
419 tons crushed stone fur-		
nished, placed, watered		
and rolled, @ \$3	$1,257\ 00$	
410 linear feet straight edge-	192.00	
set @ 30c 6 linear feet circular edge-	$123 \ 00$	
stones and corners set		
@ 30c	1 80	
31 linear feet existing edge-		
stone reset @ 30c	9 30	
40 square yards existing gran-		
ite block paving relaid,	# 0.00	
gravel joints, @ \$1.25 .	50 00	
722 square yards concrete base and Topeka wearing sur-		
face furnished and laid		
@ \$4.20	3,032 40	
2,503 square yards bituminous	-,	
wearing surface, fur-		
nished and laid, on mac-		
adam foundation, @		
\$2.30 2,576 square feet artificial stone	5,75690	
foundation furnished and		
laid @ 8c	206 08	
2,495 square feet artificial stone	00 00	
sidewalks, concrete base		
and wearing surface, fur-		
nished and laid, @ 27c.	673 - 65	
81 square feet artificial stone		
driveways, concrete base and wearing surface, fur-		
nished and laid, @ 30c.	$24 \ 30$	
7 covers reset @ \$3	$\frac{21}{21} \frac{00}{00}$	
17 courses of brickwork laid		
_ @ 50c. 	8 50	
Extra work — Remove	•	
four stumps on Beech		
street not shown on plan: 4 stumps removed	$225 \ 00$	
1 sedinps removed ;		
	\$12,126 13	
Less amount paid in 1920.	2,961 65	
	_,	9,164 48
		\$9,497 85

Belgrade avenue, from Anawan avenue to Centre street. Length, 1,903 feet. Area, 9,642 square yards. Grading, edgestone set and reset. Topeka pavement laid on 6-inch concrete base with 9-inch brows to car tracks of new granite blocks on 6-inch concrete base, grout joints. Artificial stone sidewalks laid from 100 feet east of Belgrade street across Anawan avenue.

Engineering Inspection Fence built Edgestone, 213 feet straight and 2 sn Blocks, recut Teaming Amount paid to Boston Elevated Ra pany:		\$66 56 130 39 685 13 409 23 102 00 220 00
2,300 square yards paving barred out and blocks recut @ \$1.41,	\$3,243 00	
2,868 square yards concrete base and paving laid @ \$3.84.	11,013 12	14,256 12
Amount paid to Rowe Contracting under contract:	; Company,	14,200 12
1,340 cubic yards earth excavation @ \$1.90	\$2,546 00	
1,897 linear feet straight edge- stone set @ 30c	569 10	
347 linear feet circular edge- stone and corners set @ 30c.	104 10	
45 linear feet existing edge- stone reset @ 30c.	13 50	
195 square yards granite block paving furnished and laid in dummy and brows of ear tracks, con- erete base, sand bed and		
grout joints, @ \$8.50. 18 square yards existing gran- ite block paving relaid in driveways and edg-	1,657 50	
ings, concrete base, sand bed, grout joints, @ \$4, 4,588 square yards concrete base and Topeka wearing sur- face, furnished and	72 00	
laid, @ \$4.20 28 square yards bituminous wearing surface, fur- nished and laid, on ma-	19,269 60	
cadam foundation, @ \$2.30	64 40	
21,563 square feet artificial stone foundation furnished and placed @ Sc 20,970 square feet artificial stone sidewalks, concrete base	1,725 04	
and wearing surface, furnished and laid, @ 27e.	5,661 90	
593 square feet artificial stone driveways, concrete base and wearing surface, furnished and laid, @		
30c	177 90 18 00	
18 courses of brick work laid @ 50c	9 00	
Carried forward	\$31,888 04	\$15,869 43

Brought forward	\$31,888 04	\$15,869 43	
294 linear feet wood fence built	588 00		
@ \$2 Extra work — Excavate	300 00		
track area where direct-			
ed in Belgrade avenue,			
between Belgrade street			
and Anawan avenue: 261 cubic yards excavation @			
\$2.50	$652 \ 50$		
Extra work — Reset edge-			
stone and relay gutters			
where necessary, lay			
brows to street car tracks and lay Topeka			
pavement on macadam			
base, from 100 feet east			
of Belgrade street across			
Anawan avenue: 15 cubic yards earth excava-			
tion @ \$1.90	28 50		
7 tons crushed stone fur-			
nished, placed, watered and rolled @ \$3	01.00		
and rolled @ \$3	21 00		
10 linear feet circular edge- stone set @ 30c	3 00		
412 linear feet existing edge-	9		
stone reset @ $3\overline{0}c$.	123 60		
378 square yards existing gran-			
ite block paving relaid, gravel joints, @ \$1.25,	472 50		
100 square yards existing gran-	1.2 0		
ite block paying relaid,			
gravel base, grout joints,	200, 00		
@ \$2	200 00		
2,426 square yards bituminous wearing surface fur-			
nished and laid on ma-			
cadam foundation @	5 570 80		
\$2.30	5,579 80		
foundation furnished			
and placed @ 8c	1 68		
21 square feet artificial stone			
sidewalks, concrete base	,		
and wearing surface, fur- nished and laid, @ 27c.,	5 67		
Extra work — Remove one			
stump on Belgrade av-			
enue, not shown on plan:	75 00		
1 stump removed Extra work — Haul recut	10 00		
paving blocks to Centre			
street from Belgrade			
avenue:	10 40		
16 hours' labor @ 65c Plus 15 per cent on \$10.40,	1 56		
½ day, auto truck, @ \$35.	17 50		
• • •	200 000 77		
Less amount paid in 1000	$\begin{array}{ccc} \$39,668 & 75 \\ 25,803 & 62 \end{array}$		
Less amount paid in 1920,		13,865 13	
		<u> </u>	29,734 56

Boylston street (northerly side), fro Length, 728 linear feet. Area, roadway widened and wood b 1920.)	1.115 squa	re vard	s. Edges	tone reset.
Engineering	2.30		\$13 00 1 97 24 80 328 90	
Final payment to James Doherty in 1920, under contract	or work ac	ше	1,486 45	\$1,855 12
Brenton street, from Glenway stree feet. Area, 923 square yards laid and artificial stone sidewall	. Edgeste	one set,	treet. Le bitulithie	ength, 319 e roadway
laid and artificial stone sidewall Engineering Inspection Engineering expense Advertising Templets			\$105 37	
Inspection			49 85	
Engineering expense			1.95	
Advertising			4 00	
Templets			$22 \ 36$	
Edgestone, 116 feet straight, 19 fee	et circular a	and	224 72	
2 small corners			284 50	
Expert services		•	7 42	
			\$475 45	
Credit: Bricks, old sidewalk .			11 20	
			\$464 25	
Amount paid to Warren Brothe	rs Compa	ny,		
under contract:				
Removing trees, bushes,				
etc	\$50	00		
288 cubic yards earth excava-	• • •			
288 cubic yards earth excavation @ \$1.20	345	60		
106 Linear feet straight edge-	3 _ 3			
stone set @ 22c	23	32		
25 linear feet circular edge-		-		
stone set @ 22c.	5	50		
510 linear feet existing edge-	•	-		
stone reset @ 22c	112	20		
923 square yards concrete base				
and bitulithic pavement				
and bitulithic pavement furnished and laid @				
\$3.09	2,852	07		
45 square yards bitulithic	, .	_		
pavement furnished and				
laid on macadam founda-				
tion @ \$2.25	101	25		
1,625 square feet artificial stone				
foundation furnished and				
placed @ 4c	65	00		
3,431 square feet artificial stone				
sidewalks, concrete base				
and wearing surface, fur-				
nished and laid, @ 24c	82 3	44		
55 square feet artificial stone				
driveways, concrete base				
and wearing surface, fur-				
nished and laid, @ 35c	19	25		
			2121 5	
$Carried\ forward\ .$	\$4,397	63	\$464 25	

Brought forward 3 covers reset @ \$3 4 cubic yards loam fur		\$4.		\$464	25
4 cubic yards loam fur @ \$3 15	msnea		12.60	3	
3 covers reset @ \$3 4 cubic yards loam fur @ \$3.15				4,419	23
					\$4,883 48
Broadway, at southeast corner					
Recut blocks					. \$14 40
Canterbury street, at the int	ersecti	on of	Walk	Hill street	. (Unfinished
work from 1920.) Leng street was widened, edge widened portion built wi	estone :	set. gr	avel si	dewalk buil	t and the new
Engineering				. \$53	96
Inspection		,		. 2	00
Labor, edgestone resetting				. 45	12
Labor, macadam surfacing			•	. 454	81
Steam roller		•	•	. 013 279	00
Gravel, $192\frac{1}{2}$ cubic yards				. 286	58
Lumber				. 60	07
Crushed stone, 463.75 tons		•		. 904	52
Amount paid to Joseph He	iloron	for ro	movin	. 313	41
7 trees		101 16		. 490	00
widened portion built wi Engineering Inspection Labor, edgestone resetting Labor, macadam surfacing Teaming Steam roller Gravel, 192½ cubic yards Lumber Crushed stone, 463.75 tons Tar binder, 18.71 tons Amount paid to Joseph Ha 7 trees					\$3,704 87
Carloton stuckt from South	T.T + i			to Innaia	Work (Work
unfinished.)	11(111)	igton .	a Cirac	, to summit	anay. (nork
Engineering			•	. \$04	90
Edgestone, 21 feet straight	and 44	l feet c	ircular	. 156	05
Labor, setting edgestone				. 16	56
Labor, paving gutters				. 9	06
Labor, roadway excavating	g .	•	•	. 3L	12
Engineering Advertising Edgestone, 21 feet straight Labor, setting edgestone Labor, paving gutters Labor, roadway excavating Teaming		•	•	. 10	
					\$289 75
Centre street, from South st	reet to	Spri	ng str	eet. Lengt	h, 6,331 feet.
Area, 42,188 square yard pavement laid on 6-inch	ls. Gr	ading,	edgest	one set and	reset, Topeka
pavement laid on 6-inch	concre	te base	e with	brows to car	tracks of new
granite blocks on 6-inch	ted '	ete ba The ar	oprose	n grout jon h to Centre	street beyond
stone sidewalks construct Spring street was laid	with s	$\frac{1}{\text{econd}}$	hand	block, grav	el base, grout
joints. Approaches to	Spring	street	laid w	ith bitumin	ous surface on
macadam base.					
Engineering				. \$1,948	22
Engineering		•	•	. 2,248 . 56	43
Edgestone, 1,035 feet stra	ight. 10	o O smal	l and	. 50 1	10
large corner, 5 feet cir	cular a	and 2	specia	ıl	
stones				. 1,979	02
rnotographs Templets		•	•	. 40	71
Building fence		•	:	. 1.115	77
Teaming				1,070	50
stones Photographs Templets Building fence Teaming Plank walk				. 306	16
Carried forward					

Brought forward Sundries		\$8,818 91 52 96
Amount paid to Boston Elevated R	ailway Com-	
pany: 9,353 square yards paving barred out and blocks recut @	@19 10 7 7 9	
\$1.41	\$13,187 73	
8,281 square yards concrete base and paving laid @ \$3.84,	31,799 04	44,986 77
Amount paid to Rowe Contracting	g Company,	
under contract: Removing trees, bushes etc.	\$12,020 00	
11,223 cubic yards earth excavation @ \$1.90	21,323 70	
79 cubic yards rock excavation @ \$7	553 00	
652 cubic yards extra excava- tion @ \$2.50	1,630 00	
nished, placed, wat- ered and rolled, @ \$3.	981 00	
7,649 linear feet straight edge- stone set @ 30c	2,294 70	
939 linear feet circular edge- stone and corners set	901 70	
@ 30c	281 70	
stone reset @ 30c.	1,317 90	
3,200 linear feet crushed stone and concrete founda-		
tion furnished and	960 00	
placed @ 30c. 208 square yards existing granite block paving	900 00	
granite block paving relaid, gravel joints, @		
\$1.25	$260 \ 00$	
862 square yards granite block paving furnished		
and laid in dummy and		
brows of car tracks, concrete base, sand bed,		
grout joints, @ \$8.50.	7,327 00	
18 square yards existing granite block paving		
relaid in driveways and		
edgings, concrete base sand bed, grout joints,		
@ \$4	72 00	
225 square yards existing granite block paving		
relaid, gravel base, grout joints, @ \$2	450 00	
35,967 square yards concrete	190 00	
base and Topeka wear- ing surface furnished		
and laid @ \$4.20	151,061 40	
32 square yards existing brick sidewalks relaid		
@ 70e	22 40	
Carried forward	\$200,554 80	\$53,858 64

107,300 sq	<i>forward</i> . uare feet arti foundation		\$200,554	80	\$ 53,858	64
	and placed @	9 8c	8,584	00		
	quare fect stone sidew crete base ar surface, furn laid, @ 27c.	nd wearing sished and	27,720	90		
3,843 se	quare feet stone drivey crete base ar surface, furn	artificial vays, con- nd wearing ished and				
	laid, @ 30c.		1,152			
109 co	vers reset @	\$ 3	327	00		
266 co	urses of laid @ 50c.	brickwork	133	00		
	bic yards e crete base and laid @\$	furnished	102	75		
450 lin	ear feet gro drain furni	und water				
_	laid @ \$1 onstructing	cap and	450	00		
	fence . onstructing		850	00		
	fence .		1,900	00		
	tra work — stone from S to Centre str	outh Yard eet:				
1,596 lin	.ear feet hauled @ 15	edgestone	239	40		
:	tra work – reinforced co Billings Fie	oncrete at				
22 ho	urs' labor @	65c		30		
Pli	us 15 per cen	t on \$14.30,	2	15		
1	filling from street:	_				
	ys' labor @ \$		46			
$\mathbf{E}_{\mathbf{x}}$	ıs 15 per cent tra work – trees as follov	- Remove	7	02		•
	e at No. 11 street.	62 Centre				
	e at Elgin stı	reet.				
On	e at Pinkhai	m street.				
On		at Elgin				
On		Church				
Re	moving tr	rees and	475	00		
Le	ss amount pa	uid in 19 20 ,	\$247,300 76,595			
				- .	170,704	44 \$224,563 08

Centre street, from Allandale street to streets charged to Reconstructin (Unfinished work from 1920.)	South street. g and Repairi	For details see undering Streets by Contract.
Engineering Teaming Removing trees Amount paid to Bermudez Com		\$18 50 199 00 375 00
Amount paid to Bermudez Comcontract	pany, under · · ·	1,100 71 \$1,693 21
Charles street, from Beacon street to feet. Area, 8,960 square yards, ment laid on 6-inch concrete base and artificial stone significant.	ek with asphalt dewalks consti	t joints on a 6-inch con-
Engineering Inspection Engineering expense Advertising University 128		\$954 36 1 147 32
Engineering expense		$1{,}147 \ 32 \ 6 \ 90$
Advertising . Edgestone, 510 feet straight, 128	foot oirqular	$\begin{array}{c} 13 & 95 \\ 1,015 & 40 \end{array}$
Blocks, 50,700 large granite	· · ·	5,713 89
Blocks, 50,700 large granite . Expert services		361 36
		\$9,213 18
Credit: Bricks, old sidewalk .		321 20
		\$8,891 98
Removing wall and filling in .		160 00
Templets		25 76
		4 00
Amount paid to B. E. Grant, und	ler contract:	
370 square yards old con- crete base removed @		
\$ 1	\$370 00	
494 cubic yards granite, brick and concrete steps,		
and concrete steps, walls and foundation		
exeavated and removed		
@ \$2	$988 \ 00$	
485 linear feet straight edge-	97 00	
stone set @ 20c 130 linear feet circular edge-	97 00	
stone set @ 20c	26 00	
2,886 linear feet existing edge-	****	
stone reset @ 18c.	519 48	
32 square yards existing gran- ite block pavement re-		
laid, gravel joints, @ \$1,	32 00	
1,746 square yards granite block pavement laid,		
concrete base, sand bed		
and asphalt joints, @	4.004.70	
\$2.75	4,801 50	
195 square yards existing gran- ite block paving relaid,		
gravel base and grout	000.00	
joints, @ \$2	390 00	
$Carried\ forward\ .$	\$7,223 93	\$9,081 74

		urni s	hе	k d	\$7,22	3	98	\$9,081	74	
etc. 27,274 square side	, @ \$4.45 e feet arti walks, co	ificial ncrete	ston e bas	е е	30,08	36	45			
nish 8 covers	wearings ned and la reset @	id, @ \$3	16c	·,	4,37		84 00			
	es of brie 50e		. 181	a •		5	00	41,719	27	
									\$	50.801 01
Chelsea street, fr	om Foss s	street	to A	dam	s stre	et.	. s	treet wide	ened	and work
unfinished. 30 square						.92	20; 7	753 feet e	igest	one reset,
Engineering								\$862	98	
								105	85	
Inspection Labor, edges Labor, roadw	tone exca	vating	ŗ					131		
Labor, edges	tone setti	ng	,					70		
Labor roady	vov evesv	ating	•		•		•			
Labor, trimp	ning wall	wern's		•			•	$957 \\ 35$	00	
Labor, trimn Labor, buildi	ing fence		•				•	18	00	
Labor, briek	walka rol	eid					•		28	
Labor, buildi Labor, brick Labor, filling	waiks iei	aiu . alle		•			•		00	
Sand .	in sidew.	uiks	•	•			•	41		
		•	•	•		•	٠		84	
Cement .				•	•	•	•			
Edgestone								95		
Lumber .								16		
Nails .									60	
Teaming								1,010		20 110 10
									_	\$3,448 19
Chesterton stree		Iassae	chuse	etts	avenı	ıe	to .	Allerton s	street	t. (Work
Engineering								\$67	06	
Engineering	expense								90	
Advertising								1	97	
								-		\$69 93
A rubble ı	nerete on h coneret nasonry v	the e bas vall w	old e an as b	maea d art uilt a	.dam tificia tlong	an l s th	ia ti stone	ne new w e sidewall	idene vs co	nstructed.
Engineering								\$1,015		
Engineering Inspection Engineering Advertising Expert service Photographs								637		
Engineering	expense								80	
Advertising								4	35	
Expert servi	ces .								43	
Photographs								60	00	
Edgestone, 1	,355 feet	straig	ht. 1	89 fe	et eir	cul	lar.	3.073	07	
Blocks .			. , -	0			.,	12	39	
Flagging .									40	
		-	-	•	•		•			
Carried for	rward .	٠					٠	\$ 5,153	92	

$Brought\ forward\ .$		\$5,153 92
Amount paid to John J. Lane, under Removing trees, bushes,	er contract:	,
etc	\$450 00	
2,671 cubic yards earth excava-	9.671.00	
tion @ \$1	2,671 00	
tion @\$3.75	5,580 00	
61 cubic yards extra excava- tion @\$1.50	91 50	
119 tons crushed stone fur-		
nished, placed, watered and rolled, @\$3	357 00	
1,355 linear feet straight edge-		
stone set @ 19c	$257 \ 45$	
stone set @ $25c.$.	18 50	
50 linear feet existing edge-	10 00	
stone reset @ 20c. 11 square yards existing	10 00	
granite block paving re-		
laid, sand bed, gravel joints, @ 70c.	7 70	
539 square yards granite block		
paving recut and relaid in dummy and brows,		
concrete base, sand bed,	2.018.20	
grout joints, @ \$3.80 . 5 square yards existing	2,048 20	
granite block pavement		
relaid in edgings, gravel base, sand bed and		
grout joints, @ \$2 .	10 00	
1,874 square—yards—concrete base and asphalt con-		
crete surface layer fur-	5 000 40	
nished and laid @ \$3.10, 2,149 square yards asphalt con-	5,809 40	
crete pavement surface		
layer, furnished and laid, on macadam founda-		
tion, @ \$1.80	3,868 20	
8,063 square feet artificial stone foundation furnished		
and placed @ $2\mathrm{c.}$.	161 26	
13,858 square feet artificial stone sidewalks, concrete base		
and wearing surface,		
furnished and laid, @ 17c	2,355 86	
173 square feet artificial stone	_,	
driveways, concrete		
base and wearing sur- face furnished and laid,	20, 20	
@ 40c	$\begin{array}{cc} 69 & 20 \\ 21 & 00 \end{array}$	
15 courses of brickwork laid		
@ 50c	7 50	
and placed (a ouc	59 50	
Constructing rubble wall,	5,500 00	
Carried forward	$$29,353\ 27$	\$5,153 92

Brought forward. Extra work — Scrape out the old joints of old wall where directed, repoint the same and dress off the top to take a flag coping to make the old wall conform with the	\$29,353 27	\$5,153 92
new one: Scraping out joints, etc., Extra work — R e m o v e four trees on account of slope back of wall:	200 00	,
4 trees removed @ \$25 . Extra work — Haul second-hand flagging from Chestnut Hill avenue paving yard to Chestnut Hill avenue thill avenue:	100 00	
132 hours' labor @ 50c	66-00	•
Plus 15 per cent on \$66,	9 90	
44 hours' double team @		
$\$1.12\frac{1}{2}$	49 50	- 29,778 67
		\$34,932 59
Chilton road, from Weld street 411 fe feet. Area, 1,227 square yard	s. Edgestor	ne set, asphalt concrete
pavement laid and artificial ston	e sidewalks	
Engineering		\$314 30
Inspection		195 70
Engineering expense		$2\ 40$
Advertising		4 03
Templets		13 41
Edgestone, 744 feet straight, 58	feet circular	
and 8 square corners		1,203 70
Amount paid to John T. Shea, Jr. traet:	, under con-	,
599 eubic yard searth exeavation @ \$1.25	\$748 75	
$5\frac{1}{2}$ eubic yards rock excavation @ \$6	33 00	
28 eubie yards extra excava-		
tion @ \$1.50 $24 tons erushed stone fur-$	42 00	
nished, placed, watered and rolled, @ \$3	72 00	
733 linear feet straight edge-	12 00	
stone set (a) 24c	175 92	
84 linear feet circular edge-	21.00	
stone reset @ 25c 1,223 square yards concrete base,	21 00	
1,225 square varus concrete base,		
asphalt binder, sheet asphalt surface layer, fur-		
nished and laid, @ \$2.50,	3,057 50	
199 square yards asphalt	0,001 00	
binder, sheet asphalt sur-		
face layer, furnished and		
laid, on maeadam foun-		
dation, @ \$1.60	318 40	
$Carried\ forward\ .$	\$4,468 57	\$1,733 54

Brought forward	\$4,468 50 18 6 \$4,542 227	00 00 00 57	\$1,733 4,315		\$6,048 98
					\$0,040 30
Clarendon street, from Stuart street to road extended and bridge built feet. Area, 1,783 square yards ment laid with grout joints on stone sidewalks constructed.	t over ra	ilroa	ad tracks.	L	ength, 438
Engineering			\$577		
Inspection			413		
Engineering expense			40		
Advertising		٠	3 176		
Expert services		٠	84		
Edgestone, 675 feet straight, 69 fee	t circular		1,458		
Amount paid to John McCour under contract: 8,480 linear feet piles furnished and driven @ 90c Other materials and work not called for by Item 1, contract price Extra work — Removal of brick to permit building foundation Extra work — 972 square yards concrete base @ \$2.50	\$7,632 104,708 150 2,430 300 \$115,220 46,538	00 00 00 00 00 00			
•			68,681	99	
Amount paid Gore, Inc., under contract: 384 cubic yards earth excavation @ \$1 2,119 cubic yards filling furnished and placed @ 20c	\$384 423				
20 eubic yards walls and foun- dation excavated and re-					
moved @ \$2	40	00			
673 linear feet straight edge- stone set @ 23c.	154	79			
70 linear feet circular edge- stone set @ 23c.	16	10			
167 linear feet existing edge- stone reset @ 23e	38	41			
Carried forward	\$1,057	10	\$71,435	31	

Brought forward	\$1,057	10	\$71,435 31
5 cubic yards extra concrete base furnished and laid	- , -		,
@ \$10	50	00	
387 square yards existing gran- ite block paying relaid.			
ite block paving relaid, sand bed, gravel joints,	254		
@ 65c	251	99	
pavement furnished and			
laid, concrete base, sand bed and grout joints, @			
\$6.75	11,522	25	
payement hauled and			
relaid, gravel base, sand bed and grout joints,			
@ \$1.45	110	20	
8,722 square feet artificial stone foundation furnished and			
placed @ 6c 8,722 square feet artificial stone	523	32	
sidewalks, concrete base			
and wearing surface, fur- nished and laid, @ 17c	1,482	74	
6 covers reset @ \$3		00	
3 courses of brick work laid @ 50c.	1	50	
Building wall and fence . 56 tons ledge stone furnished	275	00	
@ $\$2.50$	140	00	
99 linear feet wood fence built @ \$1	99	00	
Extra work — Remove			
covering of sidewalk areaways at intersection			
of Clarendon street and Stanhope street and fill			
the same:		٠	
9 hours, foreman, @ \$1	9 89	00 00	
Plus 15 per cent on \$98 .	14		
		-	15,643 36 ———\$87,078 67
			\$61,510 01
Colberg avenue, from Beech street to started.)	West Rox	bury	Parkway. (Work not
Engineering			\$121 26 1 00
Advertising			1 97
			\$124 23
Crescent avenue, at southwest corner	of Sydney	stre	et. Widened and con-
structed. Edgestone set, gutt with asphalt binder on a 6-inch	ers paved	l an	d roadway resurfaced foundation. Sand and
asphalt bills not received.	ordoned at	JHE .	omuation, band and
Labor, edgestone excavating Labor, edgestone resetting			\$119 00 63 22
Labor, brick walk relaid			7 00
Carried forward			\$189 <u>22</u>

73 1.4.0		0.400	22
$Brought\ forward$. \$189	
Labor, crushed stone sidewalk fille Labor, gutter excavating	d	. 141	12
Labor, gutter excavating Labor, gutter repaying		. 187	33
Labor, gutter repaying Labor, macadam excavating Labor, macadam spreading Sand		. 284	
Labor, masselen everyting		. 176	
Labor, macadam excavating .		. 110	70
Labor, macadam spreading .		. 346	18
Sand		. 15	53
Cement			90
Bricks		6	00
Lumber Crushed stone, 344 tons Edgestone Steam roller, rolling Steam roller, picking Teaming			42
C l l l - t - 944.4			
Crushed stone, 344 tons		. 633	
Edgestone		. 50	
Steam roller, rolling		. 121	50
Steam roller nicking		. 9	
Teaming		. 291	
reaming			
			\$2,456 37
	2.2	. **	
Cummington street, from Common	wealth av	enue to Bost	on & Albany
Railroad Length, 268 feet.	Area. 1.05	6 square vard	s. Edgestone
set, Topeka pavement laid on a	6-inah aon	erote been and	artificial stone
set, Topeka pavement laid on a	o-men com	crete base and	ar differan stone
sidewalks constructed. A woo	den tence	was built acr	oss the end of
the atmost at the nailwood			
Engineering		. \$140	77
Engineering		. \$140	
Inspection		. 209	
Engineering expense		. 8	80
Edgestone		. 28	50
Dlooks		. 12	
DIOCKS		100	
Asphalt repairs		. 182	52
Amount paid to Rowe Contracti	ng Compa	ny,	
under contract:	•	•	
273 cubic yards earth excava-			
275 cubic yards earth excava-	@ 710	70	
tion @ \$1.90	\$518	70	
169 linear feet straight edge-			
stone set @ 40c.	67	60	
22 linear feet circular edge-	•		
22 mear rect chediar edge-	0	00	
stone set @ 45c	9	90	
219 linear feet existing edge-			
stone reset @ 40c	87	60	
175 cubic yards concrete base			
	9 100	00	
furnished and laid @ \$12,	2,100	00	
6 square yards existing gran-			
ite block paving relaid,			
gravel joints, @ \$1.50 .	9	00	
27 square yards granite block			
21 square yards grante block			
paving hauled and laid			
in edgings, sand bed and			
grout joints, @ \$2.75 .	74	25	
1,023 square yards Topeka wear-			
ing surface furnished and	0 110	0.0	
laid @ \$2.10	2,148	30	
2,323 square feet artificial stone			
foundation furnished and			
	46	46	
placed @ 2c.	40	40	
2,248 square feet artificial stone			
sidewalks, concrete base			
and wearing surface, fur-			
nished and laid, @ 25c.	562	00	
	.502	00	
75 square feet artificial stone			
driveways, concrete base			
and wearing surface, fur-			
and wearing surface, fur-	<u></u> \$5 692		·91
	\$5,623	81 \$582	· <u>·</u> ·21

Brought forward nished and laid, @ 27c.,	\$5,623 81 20 25	\$582 21
Wood fence furnished, built and painted	140 00	
and painted		5,784 06
		\$6,366 27
Cushman road, from Dustin street, to feet. Area, 2,910 square yards, asphalt pavement laid on 4-incl sidewalks constructed:	Glencoe street. Sub-graded, concrete base	Length, 945 linear edgestone set, sheet and artificial stone
Engineering		\$128 83
Inspection Engineering expense		178 95
Engineering expense		$\frac{1}{880} \frac{30}{27}$
Edgestone, 466 feet straight Amount paid to John J. Lane, under	ar contract:	330 21
1,670 cubic yards earth excava-	or contract.	
tion @ \$2.25	\$3,757 50	
4 cubic yards rock excava-	~ - , · - · · · · · · · · · · · · · · · · ·	
tion @ \$12	48 00	
1,709 linear feet straight edge-		
stone set @ 30c	512 70	
112 linear feet circular edge-	20. 00	
stone set @ 35c	39 20	
17 square yards existing gran- ite block paving relaid,		
gravel joints @ \$1.25.	$21 \ 25$	
13 square yards existing gran-		
ite block paving relaid,		
concrete base, sand bed		
and grout joints, @	#0 # 0	
\$4.50	$58 \ 50$	
2,838 square yards concrete		
base, bituminous con- crete binder and asphalt		
wearing surface, fur-		
nished and laid, @ \$4.17,	11,834 46	
42 square yards bituminous	,	
wearing surface fur-		
nished and laid @ \$2.75,	$115 \ 50$	
11,313 square feet artificial stone		
foundation furnished	905 04	
and placed @ 8c 10,474 square feet artificial stone	900 04	
sidewalks, concrete base		
and wearing surface, fur-		
nished and laid, @ 28c.,	$2,932\ 72$	
307 square feet artificial stone		
drive-ways, concrete		
base and wearing sur-		
face, furnished and laid,	107 45	
@ 35c	48 00	
Extra work—Con-	10 00	
struct entrance not		
shown on plan:		
17 hours stonecutter, @	10 10	
$\$1.12\frac{1}{2}$	19 13	
6 hours, edgestone setter, @	6 75	
$\$1.12\frac{1}{2}$		
$Carried\ forward\ .$	\$20,406 20	\$1,189 35

Brought forward	\$20,406 20 \$1,189 35 9 75 5 34 4 50
Less amount paid in 1920,	\$20,425 79 12,066 93
D street, from Claffin street to Fargo s Engineering Engineering expense Advertising	\$149 58 3 25
East Fourth street, at northeast corner Sand	400.00
Easton street, from North Harvard 974 linear feet. Area, 2,924 asphalt pavement laid and ar (Work done in 1920.) Engineering expense Final payment made to John J. L. done in 1920 under contract	street to Mansfield street. Length, square yards. Edgestone set, sheet tificial stone sidewalks constructed. So 30 ane for work 3,220 93 \$3,221 23
linear feet. Area, 2,484 square	
Eliot street, from Warrenton street to Advertising	24.0=
Elmhurst street, from Norfolk street started.) Engineering	1 50
1920.)	to Brooksdale road. (Work done in \$0.30
Fargo street, from B street to C str	eet. Length, 533 linear feet. Area,

Fargo street, from B street to C street. Length, 533 linear feet. Area, 1,660 square yards. Sub-grading, edgestone reset, roadway repaved with recut granite blocks on a 6-inch concrete base, grout joints.

Engineering		\$214 03
Engineering		301 68
Engineering expense		11 15
Labor, handling stock		5 00
Labor, stonecutter		10 00
Edgestone, 72 feet, 7 inches circular Bricks, 21,200 sidewalk.		193 07
Bricks, 21,200 sidewalk		818 00
Teaming		12 00
Amount paid to B. E. Grant Comp	any, under	
contract:		
37 linear feet circular edge-		
stone and corners set @	810 70	
50c	\$18 50	
875 linear feet existing edge-	$262 \ 50$	
stone reset @ 30c	202 30	
365 cubic yards concrete base furnished and laid @ \$12,	4,380 00	
454 square yards existing gran-	4,500 00	
ite block paving relaid,		
gravel joints, @ \$1	454 00	
55 square yards granite block	101 00	
paving recut, hauled and		
laid, sand bed and grout		
joints, @ \$2.60	$143 \ 00$	
2,102 square yards existing gran-		
ite block paving recut		
and relaid, sand bed and		
grout joints, @ \$2.35	4,93970	
213 square yards existing gran-		
ite block paving relaid,		
on existing concrete base,		
sand bed and grout joints,	*00 *0	
@ \$2.50	532 50	
930 square yards existing gran- ite block paving relaid,		
gravel base and had and		
gravel base, sand bed and grout joints, @ \$2.50 .	2,325 00	
438 square yards brick side-	2,525 00	
walks hauled and laid @		
75c	$328 \ 50$	
36 square yards existing brick	3_0 30	
sidewalks relaid @ 75c	$27 \ 00$	
9 covers reset @ \$3	27 00	
1 Bradley-head catch-basin		
reset @ \$5	5 00	•
9 courses of brickwork laid		
@ 50c	4 50	
	-	13,447 20
		 \$15,012 13
	~	
Farquhar street, from Selwyn street to feet. Area, 2,710 square yards.	Centre stree	et. Length, 938 linear
iect. Area, 2,710 square yards.	Edgestone	set, Topeka pavement
laid and artificial stone sidewalks	constructea.	
Engineering	o for more	\$12 00
done in 1920, under contract .		2,627 25
done in 1320, under contract .		2,021 25
		\$2,639 25
Credit: Edgestone		18 11
court magorithe		
		-,
Freeport street, from Pope's Hill street,	southerly.	(Work not started.)
Advertising		\$1 97
The state of the s		

Glenville avenue, from Greylock roa linear feet. Area, 3,095 square asphalt pavement laid and a (Work done in 1920.)	ld to Allst yards. E rtificial st	$\begin{array}{c} { m con \ st.} \\ { m dgesto} \\ { m one \ s.} \end{array}$	reet. one set a idewalks	Leng nd ro	th, 1,009 eset, sheet estructed.
Engineering expense			\$0	30	
Final payment to John J. Lane, f in 1920, under contract	or work do	one ·	2,947		@Q.Q.40, OO
		-	-		\$2,948 09
Grosvenor place, from Cliff street so westerly. Length, 281 linear f stone set, granite block paveme structed and artificial stone sic 1920.)	eet. Ares ent laid, re	a, 380 etainir	square ig wall a	yard ınd 1	s. Edge- ence con-
Engineering			\$3		
Engineering expense Final payment to Joseph A. Singar	ollo for my	onle		60	
done in 1920, under contract.			853	94	
					\$857 54
Halifax street, from South Huntin Length, 970 linear feet. Area asphalt concrete roadway laid stone sidewalks constructed.	, 2,883 sq on 4-inch	uare v	ards.	Edge	estone set
Engineering			\$240		
Inspection			218	$\frac{57}{25}$	
Advertising		•	3	$\frac{25}{50}$	
Expert services		:		42	
Templets			31	54	
Edgestone, 1,060 feet straight, 48 and 2 small corners	feet circu	ılar	2,146	30	
Amount paid to M. DeMatteo, ur Removing trees, bushes, etc.					
982 cubic yards earth excavation @ \$1	982	00			
20 cubic yards extra excavation @ \$1	20	00			
1,057 linear feet straight edge-	221	~ =			
stone set @ 25c 95 linear feet circular edgestone	264	25			
set @ 25c		75			
5 linear feet existing edge- stone reset @ 25c	1	25			
7 square yards existing gran- ite block pavement relaid, concrete base, sand bed	10	25			
and grout joints, @ \$2.75, 2,883 square yards concrete base and asphalt concrete sur- face layer furnished and	19	25			
laid @ \$2.95	8,504	85			
on macadam foundation, \textcircled{a} \$2	4	00			
$Carried\ forward\ .$	\$9,829	35	\$2,649	29	

Brought forward 5,048 square feet artificial stone	\$9,829 35	\$2,649 29
foundation furnished and placed @ 10c 6,794 square feet artificial stone	504 80	
sidewalks, concrete base and wearing surface, fur-	1 970 00	
nished and laid, @ 20c., 64 square feet artificial stone driveways, concrete base	1,358 80	
and wearing surface, furnished and laid, @ \$1.	64 00 30 00	
10 covers reset, @ \$3 2 courses of brick work laid	30 00	
@ 50c Extra work — Omit the con- struction of artificial stone	1 00	
sidewalks for tree pits and substitute frame openings		
in the artificial stone side- walks for tree pits, where		
m directed: $22~ m tree~pits~framed~@~$1~$.	22 00	
22 tree pres framed & \$\pi 1\$.		11,809 95
		\$14,459 24
$\begin{array}{c} \textit{Hamlin street}, \text{from East Eighth stre} \\ 1920.) \end{array}$	et to Columbi	a road. (Work done in
Engineering expense		\$0.30
Harvard street, from Fabyan street done in 1919 and 1920.)	o beyond Br	ookview street. (Work
	Company, for	work done
Payment to Rowe Contracting Cunder contract in 1920	Company, for	work done. \$371 15
Payment to Rowe Contracting (\$371 15
Payment to Rowe Contracting Counder contract in 1920	Corey street.	(Work not started.) \$86-23
Payment to Rowe Contracting Counder contract in 1920 Hastings street, from Centre street to Engineering	Corey street.	(Work not started.) \$86 23 1 00
Payment to Rowe Contracting Counder contract in 1920	Corey street.	(Work not started.) \$86-23
Payment to Rowe Contracting Counder contract in 1920 Hastings street, from Centre street to Engineering	Corey street.	(Work not started.) \$86 23 1 00 9 66
Payment to Rowe Contracting Counder contract in 1920	Corey street	(Work not started.) \$86 23 1 00 9 66
Payment to Rowe Contracting Counder contract in 1920 Hastings street, from Centre street to Engineering	Corey street	(Work not started.) \$86 23 1 00 9 66
Payment to Rowe Contracting Counder contract in 1920	Corey street	(Work not started.) \$86 23 1 00 9 66
Payment to Rowe Contracting Counder contract in 1920	Corey street. an avenue to seguare yare n 6-inch cone laid on 6-inch.	(Work not started.) \$86 23 1 00 9 66
Payment to Rowe Contracting of under contract in 1920	Corey street. un avenue to s square yare n 6-inch cone laid on 6-inch	(Work not started.) \$86 23 1 00 9 66 ————————————————————————————————
Payment to Rowe Contracting of under contract in 1920	Corey street. un avenue to s square yare n 6-inch cone laid on 6-inch	(Work not started.) \$86 23 1 00 9 66 ——————————————————————————————————
Payment to Rowe Contracting of under contract in 1920	Corey street. un avenue to s square yare n 6-inch cone laid on 6-inch	(Work not started.) \$86 23 1 00 9 66
Payment to Rowe Contracting Counder contract in 1920	Corey street. un avenue to s square yare n 6-inch cone laid on 6-inch	(Work not started.) \$86 23 1 00 9 66 —————————————————————————————————
Payment to Rowe Contracting of under contract in 1920	Corey street.	(Work not started.) \$86 23 1 00 9 66
Payment to Rowe Contracting of under contract in 1920	Corey street.	(Work not started.) \$86 23 1 00 9 66 —————————————————————————————————
Payment to Rowe Contracting of under contract in 1920	Corey street. an avenue to sequare yare n 6-inch cone laid on 6-inch.	(Work not started.) \$86 23 1 00 9 66 —————————————————————————————————
Payment to Rowe Contracting of under contract in 1920	Corey street.	(Work not started.) \$86 23 1 00 9 66 —————————————————————————————————
Payment to Rowe Contracting of under contract in 1920 Hastings street, from Centre street to Engineering expense Advertising Hyde Park avenue, from Metropolit 5,454 linear feet. Area, 30,543 reset, recut granite blocks laid o grout joints, Topeka pavement finished work from 1920.) Engineering Inspection Engineering expense Recutting blocks Edgestone. 100 feet straight Blocks. 6,000 recut granite Teaming Amount paid to Martino DeM contract: Removing trees, bushes, etc	Corey street. an avenue to sequare yare n 6-inch cone laid on 6-inch.	(Work not started.) \$86 23 1 00 9 66 —————————————————————————————————

Brought forward	\$15,453 7	5 \$1,483 05
236 cubic yards rock excava- tion @ \$4	944 0	0
4 tons crushed stone fur-	311 0	O
nished, placed, watered		_
and rolled, @ \$3 298 linear feet corners hauled	12 0	00
and set @ 35c	104 3	60
851 linear feet circular edge-		
stone set @ 25c	212 7	5
3,253 linear feet existing edge- stone reset @ 25c.	813 2	25
853 square yards granite block	010 2	
paying recut, hauled		
and laid, concrete base, sand bed, grout joints		
(unfinished), @ \$3.27.	2,789 3	1
40 square yards existing	,	
granite block paving		
relaid, in driveways and edgings, concrete base,		
sand bed and grout		
joints, @ \$2.75	110 0	00
25,938 square yards concrete base and Topeka wear-		
ing surface furnished		
and laid @ \$2.95	76,517 1	.0
698 square yards bituminous wearing surface furnish-		
ed and laid, on macadam		
foundation, @ \$1.90 .	1,326 2	20
93,492 square feet artificial stone		
foundation furnished and placed @ 2c	1,869 8	3.1
85,540 square feet artificial stone	1,000	•
sidewalks, concrete base		
and wearing surface fur- nished and laid. @ 20c.,	17,108	00
7,952 square feet artificial stone	11,100	,,,
driveways, concrete		
base and wearing sur- face furnished and laid,		
@ 30e	2,385 €	30
128 covers reset @ \$3	384 (00
2 Bradley head catch-basins reset @ \$5	10 (00
145 courses of brickwork laid	10 (50
@ 50c	72/5	50
Extra work—Omit the hauling of straight		
edgestone from the		
South End Yard, Albany street. A de-		
Albany street. A de-		
duction of nine (9) cents per linear foot		
is to be made from		
the price bid for haul-		
ing and setting straight edgestone:		
5,917 linear feet straight edge-		
stone set but not	1 -00	10
hauled, @ 26	1,538	±4
Carried forward	\$121,651	02 \$1,483 05

Brought forward Extra work — Remove two (2) trees and one (1) stump and trim	\$121,651 02	\$1,483 05
one (1) tree: Removing two trees, etc. Extra work — Remove	330 00	
edgestone already set and reset same in new location on east side, south of Arlington street:		
5 hours, foreman, @ 94c.	4 70	
12 hours, edgestone setter, @ \$1.13	13 56	
83½ hours' labor @ 70e	58 45	
Plus 15 per cent on \$76.71	11 51	
$5\frac{1}{2}$ hours, auto truck, @ \$4.38,	24 09	
$5\frac{1}{2}$ hours, double team, @ \$1.25	6 88	
Extra w o r k — Con- struct a d d i t i o n a l driveways a s directed and reset edgestone		
due to settlement: 7 days, edgestone setter, @		
\$9	63 00	
$23\frac{1}{8}$ days' labor @ \$5.60.	129 50	
Plus 15 per cent on \$192.50	28 88	
2 days, double team, @ \$10,	20 00	
4 bags cement @ \$1.50 . Extra work — Grade	6 00	
approaches as di- rected:		
$\frac{1}{4}$ day, foreman, @ \$7.50	1 88	
$4\frac{1}{4}$ days, foreman, @ \$6.67 . $15\frac{5}{5}$ days' labor @ \$5.60 .	28 35 87 50	
414 days' labor @ \$3.20	133 60	
Plus 15 per cent on $$251.33$	37 70	
1; days, double team, @ \$10,	12^{-50}	
53 days, double team. @ \$8, day, steam roller, @ \$18	$\frac{46}{9} \frac{00}{00}$	
$\frac{1}{2}$ day, steam roller, @ \$18 $\frac{1}{2}$ day, auto truck, @ \$35 .	17 50	
Extra work — Place		
extra framing and constructarti-		
ficial stone blocks in eighty-four (84) open-		
ings left by removal of		
trolly and corporation poles:		
Constructing artificial stone blocks, etc.	312 00	
Carried forward	\$123,033 62	\$1,483 05

Brought forward Less amount paid in	\$123,033 62	\$1,483 05
1919 and 1920 . \$62,163 13		
Less amount retained . 7,080 71	69,243 84	
	05,240 01	53,789 78
Amount paid to John McCourunder contract:		,
3,474 square yards e x i s t i n g granite block paving recut and relaid (in		
car tracks), concrete		
base, sand bed and grout joints, @ \$4.48	\$15,563 52	
	⊕15,505 5 <u>2</u>	
2,317 square yards granite blocks r e c u t (at		
Massachusetts		
avenue lot) hauled and laid in car tracks,		
concrete base, sand		
bed, grout joints, @ \$4.73	10,959 41	
Extra work — Reset	10,555 41	
manhole covers as		
directed:	17.00	
5 covers reset @ \$3	15 00	
8 courses of brickwork laid @ 50c.	4 00	
Extra work — Replace		
concrete base re- moved by Eastern		
Massachusetts Street		
Railway Company: 183 square yards concrete base		
furnished and laid @		
\$2.50	46 67	
T	\$26,588 60	
Less amount paid in 1920	22,544 49	
Amount paid to Gore, Inc., 2,214		4,044 11
excavation @ \$2	· · ·	4,428 00
		\$63,744 94
Imrie road, from Cambridge street t	a Allatan atm	est I snoth 620 linear
feet. Area, 1,276 square vards	. Subgraded	. edgestone set, asphalt
concrete pavement laid on 4-in sidewalks constructed.	ch concrete b	pase and artificial stone
Engineering Inspection Engineering expense Advertising Templets		\$230 93
Engineering expense		$\begin{array}{ccc} 162 & 31 \\ 2 & 30 \end{array}$
Advertising		3 20
Templets. Edgestone, 893 feet straight, 26 f	oot atmaight	30 12
6 specials and 11 small corners	eet straight,	1,939 45
Carried forward		
carrea joraura		Ψ2,000 01

Brought forward		\$2,368 31
Expert services	han, under	7 42
contract:		
654 cubic yards earth excavation @ 75c.	\$490 50	
2½ cubic yards rock excava-	\$ 100 GG	
2½ cubic yards rock exeava- tion @ \$3	7 50	
3 cubic yards excavation be- low subgrade @ \$1 .	3 00	
960 linear feet straight edge-	5 00	
stone set $@$ 20c	192 00	
98 linear feet circular edge-		
stone and corners set @ 21c	20 58	
25 linear feet existing edge-	_ 33	
stone reset @ 20c	5 00	
510 linear feet crushed stone and concrete foundation		
furnished and placed @		
25c	$127 \ 50$	
6 square yards existing gran-		
ite block paving relaid, concrete base, sand bed		
and grout joints, @		
\$2.50	15 00	
1,266 square yards concrete base and asphalt concrete sur-		
face layer furnished and		
laid @ \$3	3,798 00	
4 square yards asphalt con- crete pavement furnished		
and laid on macadam		
foundation @ $\$2$.	8 00	
4,960 square feet artificial stone foundation furnished and		
placed @ 4c	198 40	
4,700 square feet artificial stone		
sidewalks, concrete base		
and wearing surface fur- nished and laid, @ 21c.	987 00	
260 square feet artificial stone		
driveways, concrete base		
and wearing surface fur- nished and laid, @ 24c	62 40	
S covers reset @ \$3	24 00	
Extra work — Furnish		
stonecutter to cut straight edgestone to set		
on curve and haul sur-		
plus new straight edge-		
stone to Brighton Paving Yard:		
12 hours' labor @ 40c	4 80	
Plus 15 per cent on \$4.80 .	$\frac{72}{100}$	
4 hours, double team, @ \$1 .	4 00	5,948 40
		\$8,324 13
Kenton road, from Washington street 1919.)		
Final payment to Rowe Contracting in 1919, under contract	g Company for	work done \$464 83

Kilmarnock street, from Bonot started.)	oylston	street	to Q	ueensb	erry street.	(Work
Engineering Engineering expense .				•	\$27 22 1 00	\$28 22
Lawnwood place, from Mai	n street	northe	aster	ly. (W	Tork not sta	rted.)
Engineering					\$77 27 1 75	
Engineering expense .					1 75	
Advertising					1 97	
						\$80 99
Tall to Carlo		, D		,		
Liberty square, from Olive started.)	er street	to B	attery	march	street. (W	ork not
Advertising						\$1.97
Advertising		•				Ф1 97
Marie street, from Mt. Ida	road to	Perciv	alstr	eet (V	Work not st	arted)
Engineering					\$69 47	arcoa.,
Engineering expense .					2 30	
Advertising					$\bar{1} 97$	
						\$73 74
777 H		1	, .		T 11 4	
Melton road, from Wallings	ford road	to Co	lonia	I road.	Length, 4	55 linear
feet. Área, 2,143 squ	iare yar	us. Si	ngra	dea, ea	igesione set	, aspnait
concrete pavement la sidewalks constructed	end th	nich e	onere	te base	and arome	dod
Engineering	, and on		spar	ces grac	\$505 06	ueu.
Engineering	•			•	241 57	
Engineering expense					$\frac{17}{17} \frac{35}{25}$	
Advertising	·				3 20	
Templets					23 56	
Templets Expert services					7 42	
Edgestone, 584 feet stra	aight, 21	.1 feet	circu	lar		
and 10 small corners	·				$1,745 \ 37$	
Amount paid to Charle	es M. C	allahar	i, une	der		
contract: Removing trees,	hushos	2				
etc	Dusiic.	',	\$10	00		
866 cubic yards earth	excava	!~	Ψ,0	00		
tion @ 75c			649	50		
$4\frac{1}{2}$ cubic yards rock	excava	-				
tion @ \$3 .		•	13	50		
133 cubic yards extra tion below sub	aredo 6	ι− ∂ι				
\$1	grade (3.	133	00		
$47\frac{1}{2}$ tons crushed sto	ne fu	r-	100	00		
nished, placed,						
and rolled @ \$2	2.50		118	75		
539 linear feet straig	ht edge	e-				
stone set @ 200			107	80		
245 linear feet circul	ar edg	e -	5.1	45		
stone set @ 21c	na oda	•	91	45		
stone reset @ 2		<u>-</u>	31	60		
361 linear feet crush		ie.	91	00		
and concrete for						
furnished and						
0.			90	25		
		9	1,205		\$2.543 43	
Carried forward .		. 4	1,200	, 30	φ=,υ τ υ το	

Brought forward 7 square yards granite block paving hauled and laid,	\$1,205 85	\$2,543 43	
concrete base, sand bed and grout joints, @ \$3.	21 00		
1,905 square yards concrete base and asphalt concrete sur- face layer furnished and	* * * * * * * * * * * * * * * * * * *		
laid @ \$3	5,715 00		
on macadam foundation @ \$2	462 00		
foundation furnished and placed @ 4c	146 24		
3,027 square feet artificial stone sidewalks, concrete base and wearing surface fur-			
nished and laid @ 21c 629 square feet artificial stone driveways, concrete base and wearing surface fur-	635 67		
nished and laid $@24c$	150 96		
8 covers reset @ \$3 4 courses of brickwork laid	24 00		
@ 50c	2 00		
graded and seeded @ 25c. Extra work — Ram, bar and puddle trenches where directed:	92 00		
14 hours, foreman, @ $87\frac{1}{2}c$ 100 hours' labor @ 40c	$\begin{array}{c} 12 \ 25 \\ 40 \ 00 \end{array}$		
Plus 15 per cent on \$52.25, Extra work — Furn is h stonecutter to cut straight edgestone to set on curve and haul sur- plus new straight edge- stone to Brighton Pav- ing Yard:	7 84		
28 hours, stonecutter, @ \$1.	$\frac{28}{9} \frac{00}{60}$		
24 hours' labor @ 40c Plus 15 per cent on \$37.60,	$\frac{5}{5} \frac{64}{64}$		
		8,558 05 ——— <u>\$1</u>	1,101 48
Metcalf street, from Dudley avenue to	Penfield stree		started.)
Engineering		\$108 47 1 80	
Engineering expense		1 97	
-			\$112 24
Mt. Ida road, from Robinson street (Work done in 1919.)	to 234 feet		ie street.
Engineering		\$3 00 60	
Engineering expense			3 60

Morton street, from Forest Hills ave	enue east	erly fo	or 1,200 feet.	(Work
not started.) Engineering			\$594 69	
Engineering expense Advertising			10	
Advertising			7 78	\$602 57
				\$00Z 37
McCraw street, from Belgrade avenu Length, 131 linear feet. Area, Topeka pavement laid and ar (Work done in 1920.)	. 380 squ	are v	ards. Edgesto	one set,
Edgestone, 110 feet straight . Final payment to Martino DeMat	teo for w	ork	\$187 00	
done in 1920, under contract			288 39	
				\$475 <u>39</u>
Oriole street, from Bellevue street to feet. Area, 1,237 square yard pavement laid on 4-inch concre constructed.	s. Edge	stone	set, asphalt of tificial stone si	concrete
Engineering			$\begin{array}{ccc} \$130 & 42 \\ 69 & 02 \end{array}$	
Inspection			$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
Advertising			3 50	
Expert services			7 42	
Edgestone, 841 feet straight, 38 and 4 small corners	feet circu	ılar	1,722 39	
Amount paid to M. DeMatteo, und	er contra	et:	1,722 09	
Removing trees, bushes,				
etc	\$5	00		
438 cubic yards earth excava-	100	00		
rion @ \$1 3 cubic yards rock excayation	438	00		
@ \$5	15	00		
11 cubic yards extra excava-				
tion @ \$1	11	00		
833 linear feet straight edge- stone set @ 25c	208	25		
51 linear feet circular edge-				
stone set @ 25c.	. 12	75		
6 square yards granite block pavement hauled and				
laid, concrete base, sand				
bed and grout joints,				
@ \$3	18	00		
1,237 square yards concrete base and asphalt concrete sur-				
face layer furnished and				
laid @ \$2.95	3,649	1.5		
54 square yards asphalt con-				
crete pavement surface layer furnished and laid				
on macadam foundation				
@ \$2	108	00		
3,637 square feet artificial stone foundation furnished and				
placed @ 10c	36	3 70		
3,514 square feet artificial stone				
sidewalks, concrete base				
and wearing surface fur- nished and laid, @ 20c	702	80		
msnett and faid, @ 20c				
Carried forward	\$5,531	65	\$1,935 15	

Brought forward	\$5,531	65	\$1,935 15	
and wearing surface fur- nished and laid, @ \$1	123			
5 covers reset @ \$3 4 courses of brickwork laid	10	00		
@ 50c Extra work — Remove	2	00		
einders already placed				
and omit the construc- tion of artificial stone				
sidewalks and substitute loam space where di-				
rected:				
158 square yards loam fur- nished and placed @ 90c.	142	20		
16 hours' labor @ 40c	6	40		
4 hours, foreman, @ 75e Plus 15 per cent on \$9.40,		$\frac{00}{41}$		
4 hours, double team, @ \$1,	4	00	5,828 66	
			5,028 00 <u>\$7,763</u>	81
Parkwood terrace, from Parkton started.)	road to	Jar	naicaway. (Work	not
Engineering		•	$\begin{array}{ccc} \$136 & 80 \\ 2 & 00 \end{array}$	
Advertising			4 03	
Edgestone, 50 feet circular			132 11	
				94
				_
Pentiac street, from Tremont street feet. Area, 2,782 square yar concrete pavement laid on 4-inc	ds. Grad	ed,	eet. Length, 936 line edgestone set, asph	ear alt
feet. Area, 2,782 square yar concrete pavement laid on 4-in sidewalks constructed.	ds. Grad	ed,	eet. Length, 936 lined edgestone set, asphase and artificial sto	ear alt
feet. Area, 2,782 square yare concrete pavement laid on 4-inc	ds. Grad	ed,	eet. Length, 936 line edgestone set, asph	ear alt
feet. Area, 2,782 square var- concrete pavement laid on 4-in- sidewalks constructed. Engineering	ds. Grad	ed,	eet. Length, 936 linedgestone set, asphase and artificial storms 279 25 203 23 1 80	ear alt
feet. Area, 2,782 square yar- concrete pavement laid on 4-in- sidewalks constructed. Engineering	ds. Grad	ed,	eet. Length, 936 line edgestone set, asphase and artificial storms \$279 25 203 23	ear alt
feet. Area, 2,782 square yar concrete pavement laid on 4-ind sidewalks constructed. Engineering	ds. Grad	ed, te ba	eet. Length, 936 linedgestone set, asphase and artificial sto \$279 25 203 23 1 80 6 75	ear alt
feet. Area, 2,782 square yar concrete pavement laid on 4-ind sidewalks constructed. Engineering	ds. Grad ch concret	ed, te ba	eet. Length, 936 linedgestone set, asphase and artificial storms 279 25 203 23 1 80 6 75 7 43 38 22 .	ear alt
feet. Area, 2,782 square yar concrete pavement laid on 4-ind sidewalks constructed. Engineering	ds. Grad ch concret	ed, te ba	eet. Length, 936 linedgestone set, asphase and artificial sto \$279 25 203 23 1 80 6 75 7 43	ear alt
feet. Area, 2,782 square yard concrete pavement laid on 4-indisidewalks constructed. Engineering	ds. Grad	ed, te ba	eet. Length, 936 linedgestone set, asphase and artificial storms are also set. \$279 25 203 23 1 80 6 75 7 43 38 22 3,496 71	ear alt
feet. Area, 2,782 square var- concrete pavement laid on 4-inc sidewalks constructed. Engineering Inspection Engineering expense Advertising Expert services Templets Edgestone, 1,751 feet straight lar and 8 small corners Blocks Amount paid to John McCour	ds. Grad ch concret t Compa	ed, te ba	eet. Length, 936 linedgestone set, asphase and artificial storms are also set. \$279 25 203 23 1 80 6 75 7 43 38 22 3,496 71	ear alt
feet. Area, 2,782 square yard concrete pavement laid on 4-ind sidewalks constructed. Engineering	ds. Grad ch concret t Compa	ed, te ba	eet. Length, 936 linedgestone set, asphase and artificial storms are also set. \$279 25 203 23 1 80 6 75 7 43 38 22 3,496 71	ear alt
feet. Area, 2,782 square yard concrete pavement laid on 4-ind sidewalks constructed. Engineering	ds. Grad ch concret t Compa	ed, te ba	eet. Length, 936 linedgestone set, asphase and artificial storms are also set. \$279 25 203 23 1 80 6 75 7 43 38 22 3,496 71	ear alt
feet. Area, 2,782 square var- concrete pavement laid on 4-inc sidewalks constructed. Engineering Inspection Engineering expense Advertising Expert services Templets Edgestone, 1,751 feet straight lar and 8 small corners Blocks Amount paid to John McCour under contract: Removing trees, bushes, etc. 611 cubic yards earth exca- vation @ \$1.25 144 cubic yadrs rock excava- vation @ \$5	ds. Grad ch concret t Compa	ed, te ba	eet. Length, 936 linedgestone set, asphase and artificial storms are also set. \$279 25 203 23 1 80 6 75 7 43 38 22 3,496 71	ear alt
feet. Area, 2,782 square yare concrete pavement laid on 4-ine sidewalks constructed. Engineering Inspection Engineering expense Advertising Expert services Templets. Edgestone, 1,751 feet straight lar and 8 small corners Blocks Amount paid to John McCour under contract: Removing trees, bushes, etc. 611 cubic yards earth excavation @ \$1.25 144 cubic yadrs rock excavavation @ \$5 1,743 linear feet straight edgestone set @ 25c.	ds. Gradeh concret	ed, te base to	eet. Length, 936 linedgestone set, asphase and artificial storms are also set. \$279 25 203 23 1 80 6 75 7 43 38 22 3,496 71	ear alt
feet. Area, 2,782 square yare concrete pavement laid on 4-ine sidewalks constructed. Engineering Inspection Engineering expense Advertising Expert services Templets. Edgestone, 1,751 feet straight lar and 8 small corners Blocks Amount paid to John McCour under contract: Removing trees, bushes, etc. 611 cubic yards earth excavation @ \$1.25 144 cubic yadrs rock excavavation @ \$5 1,743 linear feet straight edgestone set @ 25c. 66 linear feet circular edge-	ds. Gradeh concret	ed, te ba	eet. Length, 936 linedgestone set, asphase and artificial storms are also set. \$279 25 203 23 1 80 6 75 7 43 38 22 3,496 71	ear alt
feet. Area, 2,782 square yare concrete pavement laid on 4-ine sidewalks constructed. Engineering	ds. Gradeh concret	ed, te ba	eet. Length, 936 linedgestone set, asphase and artificial storms are also set. \$279 25 203 23 1 80 6 75 7 43 38 22 3,496 71	ear alt
feet. Area, 2,782 square yare concrete pavement laid on 4-ine sidewalks constructed. Engineering Inspection Engineering expense Advertising Expert services Templets. Edgestone, 1,751 feet straight lar and 8 small corners Blocks Amount paid to John McCour under contract: Removing trees, bushes, etc. 611 cubic yards earth excavation @ \$1.25 144 cubic yadrs rock excavavation @ \$5 1,743 linear feet straight edgestone set @ 25c. 66 linear feet eircular edgestone set @ 35c.	ds. Gradeh concret	ed, te ba	eet. Length, 936 linedgestone set, asphase and artificial storms are also set. \$279 25 203 23 1 80 6 75 7 43 38 22 3,496 71	ear alt

Brought forward	\$1,965 80	\$4,105 39
paving hauled and laid, concrete base, sand bed		
and grout joints, @ \$3.50	115 50	
3 square yards existing gran- ite block paving relaid	110 00	
in driveways and edg- ings, concrete base sand		
bed and grout joints,	10 50	
@ \$3.50	10 30	
base and asphalt con- crete surface layer fur-		
nished and laid @ \$3.10, 3 square yards asphalt con-	8,503 30	
crete pavement surface layer furnished and laid		
on macadam foundation @ \$2.60	7 80	
41 square yards existing brick sidewalks relaid @ 50c.,	20 50	
10,327 square feet artificial stone foundation furnished		
and placed @ 4c 10,327 square feet artificial stone	413 08	
sidewalks, concrete base and wearing surface fur-		
nished and laid @ 21c . 9 covers reset @ \$3	$2{,}16867 \\ 2700$	
Extra work — Lower three (3) areaways to grade at		
the easterly corner of Pontiac and Tremont		
streets, building num- bered 1542 Tremont		
street.	10.00	
12 hours, mason @ \$1 12 hours, tender @ $75c$	$\begin{array}{ccc} 12 & 00 \\ 9 & 00 \end{array}$	
Plus 15 per cent on \$21	3 15	
4 bags cement @ 80c	3 20	
300 brick @ \$30 per M	$\begin{array}{ccc} 9 & 00 \\ 2 & 00 \end{array}$	
1 cubic yard sand @ \$2 .		13,270 50
		17,375 89
Pond View avenue, from Perkins started.)	treet to Mora	nine street. (Work not
Engineering		\$89 44
Engineering expense		1 80
Advertising		1 97 ——— \$93 21
		Ψ00 21
Public Alley No. 710, from East Bro		
Length, 372 linear feet. Area, granite block pavement laid, ar	obs square tificial stope s	yards. Edgestone set,
retaining wall constructed. (We	ork done in 19	20.)
Recut blocks		\$210 44
Carried forward		\$210 44

Brought forward		\$210 44 66 00	
Sand Final payment made to John Land	is for work	707 11	
done in 1920, under contract.	• •		\$983_55
Public Alley No. 818, from St. Step Length, 693 linear feet. Area, granite block pavement laid, art retaining walls constructed. (W	616 square ya ificial stone sid	rds. Edges lewalks and	westerly. stone set, concrete
Recut blocks		$\begin{array}{c} \$256 & 56 \\ 256 & 78 \end{array}$	
Final payment made to John Landone in 1920, under contract.	dis for work	1,093 74	\$1,607 <u>08</u>
Public Alley No. 909, from Massach Length, 379 linear feet. Area, 414 s block pavement laid on 6-inch co- construted and concrete wall con	square yards. ncrete base, art	Edgestone se	et, granite
Engineering		\$319 40 364 33	
Inspection		15 70	
Blocks, 18,100 recut grantte .		$\begin{array}{c} 1,086 & 00 \\ 7 & 50 \end{array}$	
Bricks	ht 2 special	7 50	
stones	· · · ·	728 84	
Amount paid to DeStefano Brothers tract:	s, under con-		
Removing trees, bushes, etc.,	\$10 00		
165 cubic yards earth excavation @ \$2.50	412 50		
328 linear feet straight edgestone			
set @ 50c	$164 \ 00$		
set in mortar @ 70c	11 20		
13 linear feet circular edgestone	13 00		
set @ \$1	15 00		
reset @ 75c	39 75		
for edgestone furnished and	150 40		
placed @ 40c 9 square yards existing granite	156 40		
block paving relaid, gravel	10.50		
joints, @ \$1.50 414 square yards granite block	13 50		
paving hauled and laid,			
concrete base, sand bed and grout joints, @ \$4.40	1,821 60		
10 square yards brick sidewalks	•		
hauled and laid @ \$1 .	10 00		
39 square yards existing brick sidewalks relaid at 75c.	$29 \ 25$		
132 square feet artificial stone sidewalks, concrete base			
and wearing surface, fur-	52 80		
nished and laid, @ $40c$ 3 covers reset @ $\$3$	9 00		
Carried forward	\$2,743 00	\$2,521 77	

Brought forward	\$2,743	00	\$2,521 77
42 6 cubic yards concrete wall	**		,
constructed @ \$17	724	20	
Extra work — Omit the set-			
ting of edgestone in mortar			
and concrete backing for			
same and substitute the			
furnishing and building of concrete wall to finished			
edgestone grade where			
directed	588	00	
anoctou			4,055 20
Ruxton road, from Ridge road to Ru	gby road.	W	ork not started.)
Engineering		`.	\$54 00
Engineering			1 00
Advertising			1 97
			 \$56 97
			1 T
South street, from Centre street abou	t 270 feet	easte	erly. Length, 309 linear
feet. Area, 1,164 square ya	ras. Eag	esto	ne reset, niling, sneet
asphalt pavement laid and artif	nciai stone	siu	
Engineering		٠	\$47 09
Inspection		•	53 68
Engineering expense		don.	10 75
Amount paid to the Bermudez Corcontract:	npany, un	uei	
Removing trees, bushes,			
a 4	\$1,500	00	
1,613 cubic yards gravel filling	4-,000	00	
furnished @ \$2.50	4,032	50	
furnished @ \$2.50	,		
nished, placed, watered			
and rolled, @ \$4	1,240	00	
6 linear feet straight edge-			
stone set @ $45c$.	2	70	
616 linear feet existing edge-	946	40	
stone reset @ 40c	246	40	
25 square yards existing gran- ite block paving relaid,			
gravel joints, @ \$1.50	37	50	
1,164 square yards bituminous	٠,	00	
concrete binder and as-			
phalt wearing surface, fur-			
nished and laid, on mac-			
adam foundation, @			
\$2.89	3,363	96	
4,613 square feet artificial stone			
foundation furnished	553	E.G.	
and placed @ 12c.	999	50	
4,613 square feet artificial stone sidewalks, concrete base			
and wearing surface, fur-			
nished and laid, @ 35c.	1,614	55	
263.6 linear feet wood fence built	.,	_	
@ \$2.25	593	10	
	\$13,184		
Less amount paid in 1920 .	7,674	63	= 500 64
Done in connection in the	Contro et-	not.	5,509 64 \$5,621 16
Done in connection with 6	entre str	eet,	Φ0,021 10

Stanhope street, from Morgan street	to Trinit	v place.	Len	gth, 654 linear
feet. Area, 2,005 square var	ds. Edge	estone	eset,	granite block
payement laid on 6-inch concr	ete base,	grout	joints	near Morgan
street, the roadway was pave grout joints on gravel base. A	d With S	econa-n	and g	granite blocks,
_ ~	runciai s	tone sit	\$267	
Engineering		•	275	
Engineering expense Advertising				35
Advertising				40
Expert services			7	43
Edgestone, 41 feet straight, 8 fo	et, 9 inc	hes	100	0.9
circular		•	100	92
			\$658	28
Credit: Bricks, old sidewalk .				30
•				
			\$616	98
Amount paid to Gore, Inc., unde	r contrac	t:		
416 cubic yards earth excava-	0410	00		
tion @ \$1	\$41 6	00		
1,153 cubic yards filling furnished	200	20		
and placed @ 20c	230	60		
37 linear feet straight edge-	0	~ 1		
stone set @ 23c 10 linear feet circular edge-	8	51		
stone set @ 23c	9	30		
854 linear feet existing edge-	2	00		
stone reset @ 23c	196	42		
350 linear feet edgestone				
hauled, stored and reset	=0	0.0		
@ 20c	70	00		
176 square yards existing gran- ite block paving relaid,				
sand bed, gravel joints, @				
65c	114	40		
1,196 square yards granite block				
paving furnished and laid,				
concrete base, sand bed	8,073	00		
and grout joints, @ \$6.75, 767 square yards granite block	0,010	00		
paving hauled and laid,				•
gravel base, sand bed and				
grout joints, @ \$1.45	1,112	15		
42 square yards brick block				
pavement hauled and laid, sand bed, grout joints, @				
\$1.15	48	30		
133 square yards, existing brick	10	30		
sidewalks relaid @ 40c.	53	20		
4,219 square feet artificial stone				
foundation furnished and	059	1.4		
placed @ 6c 4,173 square feet artificial stone	253	14		
sidewalks, concrete base				
and wearing surface, fur-				
${f nished \ and \ laid, \ @ \ 17c.}$.	709	41		
46 square feet artificial stone			,	
driveways, concrete base				
and wearing surface, fur- nished and laid, @ 19c	8	74		
monor and raid, to 100.				
Carried forward	\$11,296	17	\$ 616	98

Brought forward	\$11,296 42	$\begin{array}{c} 17 \\ 00 \end{array}$	\$616 98
2 Bradley head catch-basins			
reset @ \$5	10	00	
@ 50c	6	00	
28 linear feet wood fence built @ \$1	28	00	
@ \$1			11,382 17
			<u>\$11,999 15</u>
Stuant street from Clarenden street t	o Trinita	z nl	one Innath 268 linear
Stuart street, from Clarendon street t feet. Area, 1,371 square yards lithic pavement laid and artificia	s. Subg	rad	ed, edgestone set, bitu-
Engineering			\$17 00
Advertising	s Compa	nv,	1 97
under contract:	•	.,	
290 cubic yards earth excavation @ \$3	\$870	00	
119.5 cubic yards gravel filling			
furnished @ \$2.50	298	75	
20 cubic yards granite, brick and concrete walls and			
foundation, excavated	100	00	
and removed, @ \$5 380 linear feet straight edge-	100	00	
stone set @ 45c	171	00	
51 linear feet circular edge-			
stone set @ 45c	22	95	
280 linear feet existing edge- stone reset @ 45c	126	00	
11 cubic yards extra concrete			
base furnished and laid in Trinity place @ \$12 .	132	00	
330 square yards existing gran-			
ite block paving relaid, gravel joints, @ \$1	330	00	
1,200 square yards concrete base	550	00	
and bitulithic wearing			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5,256	00	
171 square yards bituminous	0,200		
wearing surface furnished and laid in Trinity			
place, @ \$2.29	391	59	
109 square yards existing brick sidewalks relaid @ \$1 .	109	00	
5,191 square feet artificial stone	• • • •		
foundation furnished and placed @ 12c	622	92	
5,191 square feet artificial stone		-	
sidewalks, concrete base and wearing surface fur-			
nished and laid $@$ 29c. $ ext{ .}$	1,505		
6 covers reset @ \$3 2 courses of brickwork laid	18	00	
@ 50c	1	00	
Carried forward	\$9,954	60	\$18 97

D 115	07
Brought forward \$9,954 60 \$18 9 Extra work — Load and	91
deliver second-hand gran-	
ite paying blocks from	
Massachusetts avenue	
lot to Stuart street:	
72 hours' labor @ 75c 54 00	
Plus 15 per cent on \$54 . 8 10	
2 days' auto truck @ \$35 . 70 00	
Extra work—Grade gravel	
sidewalks where directed:	
556 square yards gravel side-	
walks graded @ 35c 194 60	
\$10,281 30	
Less amount paid in 1920 . 8,425 71	**
1,855	
	- \$1,874 56
m1 1:7	T
Thorndike street, from Commonwealth avenue to Brookline li	ine. Length,
144 linear feet. Area, 616 square yards. Subgraded, e	eagestone set,
asphalt concrete pavement laid on 4-inch concrete base stone sidewalks constructed.	and artificiar
Engineering	25
Inspection	
	20
Advertising	
Expert services	
Templets	
Edgestone, 260 feet straight, 31 feet circular	
and 2 small corners 590	17
Amount paid to Charles M. Callahan, under	
contract:	
167 cubic yards earth excavation @ 75c \$125 25	
tion @ 75c \$125 25	
10 tons crushed stone fur-	
nished, placed, watered	
and rolled @ \$2.50	
263 linear feet straight edge-	
stone set @ 20c	
38 linear feet circular edge- stone set @ 21c 7 98	•
3 linear feet existing edge-	
stone reset @ 20c 60	
5 square vards existing	
5 square yards existing granite block paving re-	
laid, gravel joints, @ 70c., 3 50	
8 square yards existing gran-	
ite block pavement re-	
laid, concrete base, sand	
bed and grout joints, @	
\$2.50	
555 square yards concrete base	
and asphalt concrete sur-	
face layer furnished and	
laid @ \$3 1,665 00	
48 square yards asphalt con-	
crete pavement surface layer furnished and laid	
on macadam foundation	
@ \$2 96 00	
	_
Carried forward \$1,995-93 \$771-4	15

Brought forward	rd					1,995	93	\$771	45	
1,198 square fee										
foundati			iea a	ana		.17	92			
placed (1,219 square fee	t art	ificia	lst	one		41	34			
sidewalk	s. co	ncret	e b	one						
and wea	ring	surfa	ce	fur-						
nished a	ind l	aid (\widehat{w} 2	1c.,		255				
2 covers res	et , @	\$3	٠.			6	00			
2 covers resc 2 cubic yard @ \$3	s loa	m Iu	rnis	nea		6	00			
@ \$3	•		•				-00	2,311	84	
								2,011		\$3,083 29
Tilton street, north	west	erly f	rom	Fe	llows	stree	t.	(Work no	t sta	rted.)
Engineering	11 000	ony r	CIII		110110	20100				(recar)
Engineering . Engineering exp Advertising .	ense	•		•			:	\$47	90	
Advertising .			Ċ	·				1	97	
										\$50 11
Tremont street (wes	terly	side)	, fro	om l	Park	street	to	Boylston s	tree	et. (Work
done in 1920 .) .		•					•		(
Engineering	,							\$22	00	
Engineering . Expert services Final payment to in 1920, unde								24	80	
Final payment to	o Jan	nes D	ohe:	rty:	for w	ork d	one	2.000		
in 1920, unde	r cor	itract		•		•		3,092	79	\$3,139 55
										\$5,159 55
Washington street (t1	h aide	') t	nom	Two	mant	otr	not to No	aant	um street.
Washington street (Soun	n side	;), <u>1</u>	1.	110	HOH	2 201	pholt are	am	OO square
					117	TOOT.	48			
vards. Edges	tone	reset	ngu . as	n, pha	$_{ m lt\ ms}$	ieet. acada	As m r	pnare area oadway cc	nsti	ructed and
Roadway wid yards. Edges artificial stone								oadway co nished wor	nsti k fr	ructed and om 1920.)
								nished wor \$84	k fr 00	ructed and om 1920.)
								nished wor \$84 6	k fr 00 50	ructed and om 1920.)
								nished wor \$84 6 19	k fr 00 50 75	ructed and om 1920.)
								nished wor \$84 6 19	k fr 00 50 75 81	ructed and om 1920.)
								nished wor \$84 6 19	k fr 00 50 75 81 77 43	ructed and om 1920.)
								nished wor \$84 6 19	k fr 00 50 75 81 77 43	ructed and om 1920.)
								114 9	k fr 00 50 75 81 77 43 60	ructed and om 1920.)
								114 9	k fr 00 50 75 81 77 43 60	om 1920.)
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller								114 9	k fr 00 50 75 81 77 43 60	square ructed and om 1920.)
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming	side*	walks			ucted	. (1	ntir	18hed wor \$84 6 19 38 67 14 114 9 13	k fr. 00 50 75 81 77 43 60 00 73	\$368 59
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (so	side	walks			ucted	. (1	ntir	18hed wor \$84 6 19 38 67 14 114 9 13	k fr. 00 50 75 81 77 43 60 00 73	\$368 59
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (so (Work not sta	side	walks			ucted	. (1	ntir	18hed wor \$84 6 19 38 67 14 114 9 13	k fr. 00 50 75 81 77 43 60 00 73	\$368 59 am street.
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (so	side	walks			ucted	. (1	ntir	18hed wor \$84 6 19 38 67 14 114 9 13	k fr. 00 50 75 81 77 43 60 00 73	\$368 59
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (so (Work not sta Advertising	side	walks side),	fro		Bick	ford	ave	13 nue to Bu	60 00 73	\$368 59 am street. \$1 97
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (so (Work not sta Advertising Whitten street, from	uth	side),	fro		Bick	ford	ave	18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60 00 73	\$368 59 am street. \$1 97
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (so (Work not standy advertising Whitten street, from	uth arted	walks side), .) . orches 3,09	fro	ave	Bick	ford to A	ave	184 street. 184 street. 185 street. 186 street. 186 street. 186 street. 186 street.	k fr 00 50 75 81 77 43 60 00 73 ————————————————————————————————	\$368 59 am street. \$1 97 agth, 1,017 Bitulithic
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (so (Work not sta Advertising Whitten street, fror linear feet. payement laid	uth :	side), .)	fro	ave qua	Bick	ford to A	ave	184 street. 184 street. 185 street. 186 street. 186 street. 186 street. 186 street.	k fr 00 50 75 81 77 43 60 00 73 ————————————————————————————————	\$368 59 am street. \$1 97 agth, 1,017 Bitulithic
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (so (Work not sta Advertising Whitten street, fror linear feet. payement laid	uth :	side), .)	fro	ave qua	Bick	ford to A	aver	184 wor \$84 6 19 38 67 14 114 9 13	k fr 00 50 75 81 77 43 60 00 73 ————————————————————————————————	\$368 59 am street. \$1 97 agth, 1,017 Bitulithic
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (so (Work not sta Advertising Whitten street, fror linear feet. payement laid	uth :	side), .)	fro	ave qua	Bick	ford to A	ave	184 6 19 38 67 14 114 9 13	k fr 00 50 75 81 77 43 60 00 73 ————————————————————————————————	\$368 59 am street. \$1 97 agth, 1,017 Bitulithic
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (so (Work not sta Advertising Whitten street, fror linear feet. payement laid	uth :	side), .)	fro	ave qua	Bick	ford to A	ave	184 6 19 38 67 14 114 9 13	k fr 00 50 75 81 77 43 60 00 73 ————————————————————————————————	\$368 59 am street. \$1 97 agth, 1,017 Bitulithic
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (so (Work not sta Advertising Whitten street, fror linear feet. payement laid	uth :	side), .)	fro	ave qua	Bick	ford to A	ave	\$4 6 19 38 67 14 114 9 13 ——————————————————————————————————	k fr 00 50 75 81 77 43 60 00 73 	\$368 59 am street. \$1 97 agth, 1,017 Bitulithic
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (so (Work not sta Advertising Whitten street, fror linear feet. payement laid	uth :	side), .)	fro	ave qua	Bick	ford to A	ave	\$4 6 19 38 67 14 114 9 13 ——————————————————————————————————	k fr 00 75 81 77 43 60 00 73 ————————————————————————————————	\$368 59 am street. \$1 97 agth, 1,017 Bitulithic
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (work not stand advertising Whitten street, from linear feet. A pavement laid constructed we Engineering Inspection Engineering expendiculations Expert services Templets	uth and Do	side),	fro	ave	Bick Bick Bick	ford to A to A asse a	ave	nished wor \$84 6 19 38 67 14 114 9 13 ——————————————————————————————————	k fr 00 75 81 77 43 60 00 73 ————————————————————————————————	\$368 59 am street. \$1 97 agth, 1,017 Bitulithic
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (so (Work not sta Advertising Whitten street, fror linear feet. payement laid	uth : n Do	walks side), orches 3,09 4-inch loam	fro	ave	Bick Bick Bick	ford to A to A asse a	ave	nished wor \$84 6 19 38 67 14 114 9 13 ——————————————————————————————————	k fr 000 500 775 81 777 43 600 73 ——————————————————————————————————	\$368 59 am street. \$1 97 agth, 1,017 Bitulithic
artificial stone Engineering Inspection Labor, sidewalks Labor, roadway Cement Sand Crushed stone Steam roller Teaming Wensley street (so (Work not standy street) Advertising Whitten street, from linear feet. pavement laid constructed w Engineering Inspection Engineering expendertising Expert services Templets Edgestone, 230	uth and Do Area, on 4 cith a c	walks side), orches 3,09 4-inch loam	fro	ave	Bick Bick Bick	ford to A to A asse a	ave	nished wor \$84 6 19 38 67 14 114 9 13	k fr 00 50 77 81 77 43 60 00 73 ————————————————————————————————	\$368 59 am street. \$1 97 agth, 1,017 Bitulithic

$Brought\ forward$		\$1,061 05
Amount paid to Warren Brothers	s Company,	• • • • • • • • • • • • • • • • • • • •
under contract:		
Removing trees, bushes, etc.	\$5 00	
	Φ3 00	
668 cubic yards earth excavation @ \$1.20	801 60	
$5\frac{1}{2}$ cubic yards rock excavation @ \$5	27 50	
201 linear feet straight edge- stone set @ 22c.	44 22	
79 linear feet circular edge- stone set @ 22c	17 38	
67 linear feet existing edge-		
stone reset @ 22c	14 74	
and bitulithic pavement furnished and laid @		
furnished and laid (a) \$3.09	9,572 82	
477 square feet artificial stone	9,914 64	
foundation furnished and		
placed @ 4c	190 08	
1,186 square feet artificial stone		
sidewalks, concrete base		
and wearing surface fur- nished and laid @ 24c	284 64	
116 square feet artificial stone	204 04	
driveways, concrete base		
and wearing surface fur-		
nished and laid @ 35c	40 60	
68 linear feet curbing fur-	66.00	
nished and laid @ \$1 13 covers reset @ \$3	$\frac{68}{39} \frac{00}{00}$	
7 courses of brickwork laid		
@ 50c	3 50	
a_{1} \$3.15	9 45	
127 square yards loam graded	25 10	
and seeded @ $20c.$.	$25 \ 40$	10.072.02
		10,972 93 \$12,033 99
Wilbur street, from Upham avenue to	Cushing avenu	ie. Length, 335 linear
feet. Area, 828 square yards. I and artificial stone sidewalks cons	Edgestone set, tructed. (Wo	Topeka pavement laid ork done in 1920.)
Engineering expense		\$0.30
Final payment made to Central C	onstruction	
Company for work done in 1 contract	920, under	410 37
contract		\$410 67
William Jackson arenue, from Chest road. Length, 500 linear feet	tnut Hill ave . Area, 957	nuc to Academy Hill square yards. Sub-
graded, edgestone set, sheet aspha sidewalks constructed. (Work de	art pavement l one in 1920.)	aid and artificial stone
Engineering expense Final payment made to John J. Lar	ne for work	\$0 30
done in 1920, under contract.		1,106 11
		<u>\$1,106_41</u>

STREET IMP	ROVEN	ΛΕΝ΄	TS.	
Congress street, Post Office square and Federal street. Length, 1,035 li Wood block pavement laid on 6 tween the car track was paved	inear feet 3-inch cor with new	$.~~{ m Are}$	a, 5,868 base an	S square yards. Id the area be-
joints on a 6-inch concrete base Engineering Inspection			\$826 752	
Inspection			$\frac{2}{7}$	40 30
Expert services, inspection of wood Blocks, large granite Amount paid to Coleman Brothers		de r	$165 \\ 1,532$	
contract: 925 cubic yards concrete base	,			
furnished and laid @ \$8 . 704 square yards granite block pavement laid in dummy	\$7,400	00		
of car tracks, sand bed and asphalt joints, @ \$2 309 square yards existing gran-	1,408	00		
ite block pavement relaid, sand bed and grout joints,	***	10		
@ \$1.90	587	10		
laid, mortar bed, sand joints and covering sand, @ \$2.70	13,689	00		
31 square yards existing wood block pavement relaid,	15,009	00		
mortar bed, sand joints and covering sand, @ \$1, 6 covers reset @ \$3		00 00		
Extra Work — Reset edge- stone, break out and re-	•			
lay artificial stone side- walks and relay brick sidewalks where directed:				
16 hours, foreman, @ \$1 3 hours, paver, @ \$1 3 hours, rammer, @ 80c	3	$00 \\ 00 \\ 40$		
16 hours, finisher, @ \$1 48 hours' labor @ 35c	$\begin{array}{c} 16 \\ 16 \end{array}$	00 80		
Plus 15 per cent on \$54.20 . 4 hours, auto truck, @ \$3.50 30 bags cement @ 92c	14	13 00 60		
38 cubic feet sand @ 6c 4 tons crushed stone @ \$3 .	2	28 00	02 051	21
			23,251	\$26,538 71
La Grange street (north side), from Length, 1,005 linear feet. Area and reset, granite block gutters is structed.	n Centre a, 9,020 s aid and a	street square rtificia	t to La feet. Istone	andseer street. Edgestone set sidewalks con-
Engineering			\$19 61	
Carried forward			\$80	52

Brought forward		\$80 52	
Amount paid to Joseph Todesca, tract:	under con-		
Removing trees, bushes, etc., 868 linear feet straight edge-	\$15 00		
stone set $@27e$.	$234\ 36$		
52 linear feet circular edge- stone and corners set @			
27c	14 04		
72 linear feet existing edgestone reset @ $27c$	19 44		
210 linear feet crushed stone and concrete foundation			
furnished and placed @			
30c	63 00		
paving hauled and laid,	100.65		
gravel joints, @ \$1.35 . 112 square yards existing gran-	$133 \ 65$		
ite block paving relaid,	112 00		
gravel joints, @ \$1 1 square yard existing flag-	112 00		
ging crosswalks relaid, gravel joints, @ 50c.	50		
9,020 square feet artificial stone	00		
foundation furnished and placed @ 10c	902 00		
7,555 square feet artificial stone			
sidewalks, concrete base and wearing surface fur-			
nished and laid @ 27c 345 square feet artificial stone	2,039 85		
driveways, concrete base			
and wearing surface fur- nished and laid @ 50c.	172 50		
Extra work — Omit full			
width artificial stone side- walks, from Sturgis road			
to Landseer street and substitute six (6) foot			
artificial stone walk with		•	
twelve (12) inch loam space and ten (10) tree			
pits 8 feet by 4 feet by 3 feet, 6 inches deep:			
Furnishing and placing	40.00		
loam, etc	$\frac{425\ 00}{}$		
Less amount paid in 1920	\$4,131 34 1,192 25		
Less amount paid in 1920 .	1,192 20	2,939 09	

RECAPITULATION OF STREET WORK. Maintenance—Paying Service.

Limits. Amounts. STREETS. Percival street to Robinson street..... \$740 50 Adams street..... Carruth street to Adams street..... 4,917 49 Ashmont street Longwood avenue to Fenway...... 2.315 90 Avenue Louis Pasteur.... Norfolk street to the railroad bridge..... 289 80 Babson street..... Blue Hill avenue..... Schuyler street to Seaver street..... 2,302 45 Tremont street to Hillside street..... 255 50Calumet street..... Morton street to Angell street..... 388 51 Canterbury street Crescent avenue to about 300 feet northerly..... 1,283 55 Carson street..... Neponset avenue to Glide street.... 1,426 00 Chickatawbut street Canterbury street to 1,140 feet southerly..... 863 57 Cliffmont street Moulton street to Medford street.... 1,315 28 Corey street..... 3.124 99 Dorchester avenue, across Carson street..... Crescent avenue..... 1,115 98 Bartlett street to High street..... Cross street..... Falmouth street to the railroad..... 2,500 54 Dalton street..... Diekens street Clayton street to Adams street..... 4,162 10 Northampton street to Camden street..... 2,918 03 Dilworth street..... H street to L street..... 469 18 East Third street..... 2,026 37 Warren street to Seaver street..... Elm Hill avenue..... Aldie street to 550 feet north of North Beacon street . . . 313 70 Everett street.... Broadway to West Eighth street..... 392 70 F street Mt. Pleasant avenue to Moreland street..... 119 35 Fairland street..... Norway street to Belvidere street..... 1.251 22 Falmouth street..... 275 00Farragut road..... Extension of Huntington avenue to Brookline avenue...... 5,118 01 Fenwood road..... Huntington avenue to Pilgrim road...... 8,665 47 Francis street..... East Broadway to Columbia road..... 520 91 H street.... Harrison avenue..... At intersection of Eustis street..... 1,037 53 964 97 Harvard street Morton street to Brookview street..... Commonwealth avenue to the Seminary gate 210 16 Lake street 485 01 Porter street to 118 feet south of Bennington street . . . London street..... Russell street to Main street..... 3.240 16 Mead street...... Centre street to Jamaicaway..... 539 39 Moraine street..... Forest Hills street to Canterbury street..... 516 53 Morton street..... \$56,066 85 Carried forward

DEPARTMENT.

47.7

Table 1 - Carlotte Committee Committ

DELMI OF WORK 16NT BY HIGHWAY DIVISION PAWING SERVICE FOR I. CHARGED TO APPROPRIATION "MAINTENANCE

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DELICE A WALL A TELLY HIGHWAY DELICE TALLS SEE LET ALL OR OF THE CONTROL OF SECULIAR PARTIES.

Maintenance.—Continued.

Streets.	Limits.	Amounts.
Brought forward		\$56,066 85
Morton street	Harvard street to Canterbury street	22,624 08
Northern avenue	At viaduet	2,623 18
Richfield street	Columbia road to Olney street	6,530 12
River street	Mattapan square to Everett square	9,021 10
St. Ceeilia street	Belvidere street to Boylston street	771 43
Saehem street	Calumet street to Parker Hill avenue	397-66
Sanford street	Washington street to Morton street	999 58
Saratoga s t reet	Butler avenue to Belle Isle inlet	1,019 61
Sigourney street	Glen road to Walnut avenue	2,941 59
Summer street	East First street to drawbridge	3,647 52
Union Park street	Tremont street to Shawmut avenue	981 92
Vine street	Tufts street to Moulton street	87 60
Walnut avenue	Sigourney street to Columbus avenue	4,948 77
Warren street	Brookline line to 176 feet east of Cambridge street	465 38
Western avenue	North Harvard street to Charles river	634 75
		\$113,761 14
Due from Street Improven	nents	
Due from Reconstructing	and Repairing Streets by Contract 732 00	
Due from Highways, Mak	ing of	
Due from Washington Stre	eet, West Roxbury	99,593 81
Total		\$213,354 95

Charged to Special Appropriations.

	Amounts	3.
North Beaeon street, Brighton	\$24,301	 50
Stuart street	1,361	53
Washington street, West Roxbury	1,2 63,953	57
Total	\$89,616	€0
Amount due to Paving Service		
Amount due to Highways, Making of	75	70
Total	\$89,540	90

² Washington street (Reconstructing and Repairing Streets by Contract).

Charged to Appropriation for Granolithic Sidewalks.

Streets.	Limits.	Amounts.
Beacon street	South side, at Brookline avenue	\$460 66
Blue Hill avenue	West side, from 217 feet south of Goodale road to Wellington Hill streets.	2,860 55
Brooks street	Hobart street to Fancuil street	30
Bynner street	Creighton street to Day street	1,280 47
Corey street	Centre street to Weld street	230 63
Cowper street	Moore street about 300 feet easterly	2,334 09
Euelid street	Washington street to Withington street	2,951 12
Fairbanks street	Washington street to Faneuil street	6,168 71
Hemenway street	West side, Museum square about 230 feet northerly	519 30
Hemenway street	East side, Batavia street to Gainsborough street	424 58
Linden street	Brighton avenue to Commonwealth avenue	30
Maple street	Oak street to Pine street	154 43
Moore street	Pennington street to Cowper street	4,761 38
Oak street	Hyde Park avenue to Maple street	151 40
Orehard street	Centre street to Pond street	5,672 76
Peterborough street	At Nos, 40 and 42	116 43
Pine street	Hyde Park avenue to Maple street	3 20
South street	Archdale road to Washington street	11,270 94
Syeamore street	Ashland street to Florence street	200 00
Wachusett street	Weld street to Walk Hill street	9,780 30
Repairing artificial stone sidewalks.		585 09
Total		\$49,926 6
Amount due from Street I	mprovements	73 18
Total		\$49,999 8

Charged to Appropriation for Reconstructing and Repairing Streets by Contract.

Streets.	Limits.	Amounts.
Adams street	King street to Minot street	\$10 80
Amory street	Green street to 140 feet north of Atherton street	14 00
Arlington street	Market street across Leicester street	5,153 07
Artificial stone sidewalks,		18,214 23
Asphalt street repairs		² 64,872 45
Carried forward		\$78,264 55

¹ See, also, Sehedule A.

² See Maintenance.

Charged to Appropriation for Reconstructing and Repairing Streets by Contract.— Continued.

Streets.	Limits.	Amounts.
Brought forward		\$78,264 55
Beacon street	Chestnut Hill avenue (Cleveland circle)	49,260 33
Beacon street	Massachusetts avenue to Raleigh street	96 95
Belgrade avenue	Belgrade street to South street	443 30
Berkeley street	Columbus avenue to Providence street	15 00
Bituminous paved street repairs.	See asphalt and bitulithic repairs.	
Blackstone street	Clinton street to Haymarket square	67 61
Blue Hill avenue	Talbot avenue to Morton street	345 40
Boylston street	Amory street to Centre street	20 00
Bremen street	230 feet northeast of Maverick street to Porter street	11,051 96
Burke street	Tremont street to Columbus avenue	41 10
Centre street	Allandale street to South street	18,192 52
Centre street	Columbus avenue across Hyde square	42,839 24
Centre street	Forbes street to Boylston street	4,914 71
Centre street	Boylston street to Green street	14,827 70
Charles street	Fruit to Allen street	48 35
Chelsea street	Maverick street to Day square	84,482 36
Columbia road	Hancock street to Blue Hill avenue	50 84
Columbus avenue	Tremont street to Centre street	62,049 15
Columbus avenue	Centre street to Walnut avenue	55,960 26
Commercial street	Hanover street to Washington Street North	5 00
Corinth street	Washington street to Belgrade avenue	31 00
Cunard street	Tremont street to Columbus avenue	37 35
Davenport street	Tremont street to Columbus avenue	32 20
Devonshire street	Water street to Franklin street	2,636 60
Dorchester avenue	Dorchester Avenue Bridge to West Second street	4,720 76
Dorchester avenue	Andrew square to Savin Hill avenue	2,022 27
Dorehester avenue	Park street to Ashmont street	67,125 59
Dorehester street	West Broadway to West Eighth street	36,720 09
Dudley street	Alexander street to Stoughton street	5,432 40
East Fourth street	K street across P street	30
East and West Concord streets.	Albany street to Columbus avenue	211 73
East and West Spring- field streets.	Harrison avenue to Columbus avenue	247 61
Exeter street	Boylston street to Commonwealth avenue	65 85
Carried forward		\$532,260 0 8

¹ See Highways, Making of.

Charged to Appropriation for Reconstructing and Repairing Streets by Contract.—Continued.

Streets.	Limits.	Amounts	
Brought forward		\$532,260	08
Fairfield street	Boylston street to Beacon street	188	5 3
Franklin street	60 feet west of Devonshire street to Broad street	26	00
Friend street	Union street to Causeway street	26,985	81
Gloucester street	Boylston street to Beacon street	142	21
Green street	Call street to Centre street	24,438	28
Hereford street	Beacon street to Boylston street	146	18
Humboldt avenue	Walnut avenue to Seaver street	75	00
Huntington avenue	North side, Gainsborough street to Hemenway street	21,674	31
John Eliot square		50	68
Main street	City square across Alford street	1,001	80
Market street	Washington street across Western avenue	85,951	33
Milford street	Shawmut avenue to Tremont street	49	8
Mt. Vernon street	Joy street to West Cedar street	4,072	68
Northampton street	Washington street to Albany street	72	62
Pleasant street	Stoughton street to Savin Hill avenue	1,020	7:
Portland street	Hanover street to Causeway street	50,728	4:
Ralston street	Boston street, about 85 feet easterly (north side)	589	50
Richmond street	Hanover street to Atlantic avenue	42,429	18
River street	Bridge over Providence Division, railroad across Everett square.	27,677	49
Robert street	Belgrade avenue to South street	161	9
Roxbury street	Kent street to John Eliot square	4	0
Rutherford avenue	Cambridge street to Chapman street		6
Rutland street and Rutland square.	Washington street to Columbus avenue	133	00
Sarsfield street	Tremont street to Grinnell street	42	9
Seaver street	Blue Hill avenue to Columbia road	9,794	7
Shawmut avenue	Tremont street to Roxbury street	464	0′
South street	Washington street to Belgrade avenue	166	8
Southampton street	Albany street to Massachusetts avenue	34	0
Stoughton street	Columbia road to Pleasant street	3	3
Tremont street	Dover street to Northampton street	2	1
Walpole street	Tremont street to Grinnell street	24	3
Warren street	Dudley street to Blue Hill avenue	10	0
Washington street	Mark∉t street across Tremont street	37	9
Washington street	Beach street across Kneeland street	1,531	4
Carried forward		\$831,991	6

Charged to Appropriation for Reconstructing and Repairing Streets by Contract.— Concluded.

STREETS.	Limits.	Amounts	١.
Brought forward		\$831,991	69
Washington street	Archdale road to 75 feet south of Corinth street	34,707	36
*Washington street	Corinth street to West Roxbury Parkway	152	33
Washington street	Dudley street across Columbus avenue	1,158	93
Webster avenue	Hanover street to Unity street	873	17
Weston street	Tremont street to Columbus avenue	12	00
West Newton street	Tremont street to Shawnut avenue	10,262	33
Total		\$879,157	81
Amount due from Street In	mprovements\$2,038 53		
Amount due to Paving Ser	vice 732 00		
		1,306	53
Total		\$880,464	33

Charged to Appropriation for Highways, Making of.

STREETS.	Limits.	Amounts.
Albany street	Broadway to about 75 feet south of Troy street	\$41,227 04
Alger street	Dorchester avenue to New York, New Haven & Hartford Railroad	30 97
Allenwood street	Anawan avenue to Pelton road	6,443 41
Arborway	Forest Hills street to Morton street	808 88
Arbutus street	Blue Hill avenue to Irma street	13,856 11
Archdale road	Washington street to South street	12,770 54
Ashland street	Hyde Park avenue to Wilmot street	61 36
Babeock street	Commonwealth avenue to Boston & Albany Railroad	7,158 04
Balsam street	Ashton street to Irma street	102 54
Beech street	West Roxbury Parkway to Pelgrade avenue	9,497 85
Belgrade avenue	Anawan avenue to Centre street	29,734 56
Boylston street	North side, Tremont street to Charles street	1,855 12
Brenton street	Glenway street to Greenwood street	4,883 48
Broadway	At southeast corner of Washington street	14 40
Canterbury street	At the interesection of Walk Hill street	3,704 87
Castleton street	South Huntington avenue to Jamaicaway	289 75
Centre street	South street to Spring street	224,563 08
Centre street	Allandale street to South street	1,693 21
Carried forward		\$358,695 21

Charged to Appropriation for Highways, Making of.—Continued.

Streets.	Limits.	Amounts	3.
Brought forward		2358,695	2
Charles street	Beacon street to Cambridge street	50,801	0
Chelsea street	Foss street to Adams street	3,448	I
Chesterton street	Massachusetts avenue to Allerton street	69	9
Chestnut Hill avenue	Commonwealth avenue to Beacon street	34,932	5
Chilton road	From Weld Hill street, 411 feet northwesterly	6,048	9
Clarendon street	Stuart street to Columbus avenue	87,078	6
Colberg avenue	Beech street to West Roxbury Parkway	124	2
Crescent avenue	At northwest corner of Spring street	2,456	3
Cummington street	Commonwealth avenue to Boston & Albany Railroad	6,366	2
Cushman road	Dustin street to Glencoe street	9,548	2
D street	Claffin street to Fargo street	154	8
East Fourth street	At northeast corner of K street	265	5
Easton street	North Harvard street to Mansfield street	3,221	2
Elder street	Columbia road to Humphreys street	2,566	3
Eliot street	Warrenton street to Broadway	1	9
Elmhurst street	Norfolk street to Southern avenue	78	4
Falkland terrace	Hobart street to Brooksdale road		3
Fargo street	B street to C street	15,012	1
Farquhar street	Selwyn street to Centre street	2,621	1
Freeport street	From Pope's Hill street southerly.	1	9
Glenville avenue	Greylock road to Allston street	2,948	0
Grosvenor place	Cliff street southwesterly.	857	5
Halifax street	South Huntington avenue to Pond View avenue	14,459	2.
Hamlin street	East Eighth street to Columbia road		30
Harvard street	Fabyan street to beyond Brookview street	371	1
Hastings street	Centre street to Corey street	96	8
Hyde Park avenue	Metropolitan avenue to River street	63,744	9.
Imrie road	Cambridge street to Allston street	8,324	1:
Kenton road	Washington street, 844 feet easterly	464	8
Kilmarnock street	Boylston street to Queensl erry street	28	25
Lawnwood place	Main street northeasterly	80	99
Liberty square.	Oliver street to Batterymarch street	1	91
Marie street	Mt. Ida road to Percival street	73	74
Melton road	Wallingford road to Colonial road	11,101	48
	Dudley avenue to Penfield street	112	
	Robinson street to 234 feet south of Marie street	3	
		\$686,162	

Charged to Appropriation for Highways, Making of.—Concluded.

STREETS.	Limits.	Amounts.
Brought forward		\$686,162
Morton street	From Forest Hills avenue easterly for 1,200 feet	602
McCraw street	Belgrade avenue to West Roxbury Branch Railroad	475 3
Oriole street	Bellevue street to Emmons road	7,763 8
Parkwood terrace	Parkton road to Jamaicaway	271 9
Pontiac street	Tremont street to Hillside street	17,375
Pond View avenue	Perkins street to Moraine street	93 2
Public Alley No. 710	East Brookline street to East Newton street	983 5
Public Alley No. 818	St. Stephen street about 690 feet westerly	1,607 (
Public Alley No. 909	Massachusetts avenue to Hemenway street	6,576 9
Ruxton road	Ridge road to Rugby road	56 9
South street	From Centre street about 270 feet easterly	5,621 1
Stuart street *	Clarendon street to Trinity place	1,874 3
Stanhope street	Morgan street to Trinity place	11,999 1
Thorndike street	Commonwealth avenue to Brookline line	3,083 2
Tilton street	Northwesterly from Fellows street	50 1
Tremont street	West side, Park street to Boylston street	3,139 5
Washington street	South side, Tremont street to Nonantum street	368 5
Wensley street	South side, Bickford avenue to Bucknam street	1.9
Whitten street	Dorehester avenue to Althea street	12,033 9
Wilbur street	Cushing avenue to Upham avenue	410 6
William Jackson avenue	Chestnut Hill avenue to Academy Hill avenue	1,106 4
Total		\$761,662 7
Less amount due to Paving	g Service	
Less amount due to Street	Improvements	
Amount due from Washing	ton street, West Roxbury	112 3
Total		\$761,550 3

^{*} See Special Appropriation for Stuart Street.

Charged to Appropriation for Street Improvements.

STREETS.	Limits.	Amount	
Ainsworth street	Centre street to Fairview street	\$2,443	73
Angelo street	Charter street to 162 feet southerly	816	60
Annabel street	Summer street to Columbia road	969	38
Ashland street	Hyde Park avenue to railroad bridge	1,030	4.
Asticou road	St. Ann street to Washington street	334	84
Carried forward		\$5,595	00

Charged to Appropriation for Street Improvements.—Continued.

STREETS.	Limits.	Amount.
Brought forward		\$5,595 00
B street	West Broadway to West Second street	86 14
Baker street	Centre street to Newton line	2,186 57
Bay State road	Granby street to Ashley street	1,706 6
Beacon street	At Brookline line	4 00
Beech street	Poplar street to West Roxbury Parkway	10,893 48
Bennington street	Walley street to Leverett avenue	3,334 33
Blue Hill avenue	Stratton street to Talbot avenue (east side)	588 68
Boutwell street	Train street to Neponset avenue	1,408 46
Boylsto street	Centre street to Amory street	8,563 5
Braddock park	Columbus avenue to New York, New Haven & Hartford Railroad.	762 1
Brooks street	Faneuil street to Hobart street	3,750 3
Brown avenue	Poplar street to Blakemore street	2,630 1.
Bunker Hill street	Bates street to Chelsea street	508 70
Bunker Hill street	Jackson street to Edgesworth street	35 2
Burroughs street	Centre street to Pond street	978 7
Bynner street	Creighton street to South Huntington avenue	87 1
Cambridge street	Charles river to railroad bridge	18,207 0
Carver street	Eliot street to Boylston street	1,329 7
Cedar street	River street to Manchester street	3,971 7
Centre street	Forbes street to Boylston street	356 2
Charles street	Cambridge street to Fruit street (west side)	2,929 1
Chestnut street	Charles street to River street	414 7
Clifton street	Dudley street to Shirley street	1,732 8
Columbia road	Buttonwood street to bridge over Mt. Vernon street	3,093 7
Congress street, Milk street and Post Office square.	From State street, across Federal street	26,538 7
Cowper street	Moore street to Byron street	1,878 8
D street	Dorchester avenut to West Eighth street	4,569 6
Douglass street	Columbia road to East Eighth street	976 4
Dudley street	Washington street to Eliot square	8,136 6
East Canton street	Harrison avenue to Washington street	1,463 5
Everett street	Orleans street to Jeffries street	8,133 3
Fairbanks street	Washington street to Faneuil street	* 5,194 2
Fairmount avenue	Everett square to Midland Division Bridge	717 7
Forest Hills street	Lotus street to 500 feet south of Glen road	3,752 8
Foundry street	At intersection of Macallen street	†
Carried forward		\$136,516 5

^{*} See Granolithic Sidewalks.

Charged to Appropriation for Street Improvements.—Continued.

Streets.	Limits.	Amount.
Brought forward		\$136,516 54
Freeport street	Pope's Hill street to the bridge	4,171 27
Freeport street	133 feet east of Dorchester avenue to New York, New Haven & Hartford Railroad.	210 00
Geneva avenue	Vinson street, across Park street	2,533 50
George street	Shirley street to Magazine street	3,036 95
Grove street	Washington street to Dedham line	4,000 85
Hancock street	Columbia road to Bowdoin street	1,816 62
Harrison avenue	Dover street to Union Park street	3,948 67
Havre street	Meridian street to Bennington street	3,948 52
Heath street	Parker street to Bromley street	5,489 50
Hemenway street	Batavia street to Gainsborough street	4 00
Hemenway street	At Museum road	4 00
Hyde Park avenue	Tower street to Ashland street	908 83
Hyde Park avenue	Ashland street to Morton street	979 26
Hyde Park avenue	River street to Milton street	2,365 45
Jerome street	Hancock street to Everett avenue	110 50
Jersey street	Boylston street to VanNess street	228 60
Judson street	West Cottage street to Brookford street	9,194 46
King street	Adams street to Neponset avenue	4,629 36
L street	East Fourth street to East Broadway	1,756 85
La Grange street	Centre street to Landseer street (north side)	3,019 61
La Grange street	Washington street 300 feet westerly	2,090 03
London street	Porter street to Sumner street	2,263 0
Lonsdale street	Adams street to Dorchester avenue	4,114 4
Macadam street repairs		31.306 43
Macallen street	Dorchester avenue to Foundry street	2,845 28
Magnolia street	Lawrence avenue to Dudley street	8,823 0
Meridian street	Condor street 224 fect northerly	882 68
Mill street	Rutherford avenue to Essex street	415 20
Milton avenue	Beacon street to Highland avenue	944 60
Moore street	Bennington street to Cowper street	2,434 1
Morton street	Forest Hill street to Canterbury street	445 8
Neponset avenue	Hyde Park avenue to Canterbury street	3,961 8
Newburg street	Beech street to Belgrade avenue	2,242 55
Oakland street	Hobart street to Bennett street	99 57
Oakland street	600 feet north of Washington street to Faneuil street	338 7
Paris street	Meridian street to Bennington street	3,143 83
Park street	Adams street to Old Colony Railroad Bridge	16,406 92
Carried forward		\$271,631 50

Charged to Appropriation for Street Improvements.—Concluded.

Streets.	Limits.	Amount	s.
Beought forward		\$271,631	50
Park street	Centre street to Martin street	10,042	68
Peterborough street	At Nos 40 and 42	3	00
Pleasant street	Warren street to Monument square	2,500	01
Poplar street	Canterbury street to Hyde Park line	14,530	48
Posen street	Minden street to Arklow street	2,133	I 4
Ralston street	Dorehester avenue to Boston street	871	19
St. Ann street	South street to Hampstead street	4,328	82
Saleombe street	Stoughton street to Cushing avenue	2,865	25
Sawyer avenue	Pleasant street to beyond Cushing avenue	6,470	65
Schuyler street	Blue Hill avenue to Elm Hill avenue	2,163	14
Shawmut avenue	West Newton street to Pembroke street (west side)	698	40
Sherwood street	Florence street to Ashland street	3,586	43
South street	Washington street to Mosgrove avenue	7,080	14
South street	Arboretum entrance to railroad bridge	2,744	91
Spring street	Gardner street to 100 feet north of railroad bridge	4,139	61
Stanhope street	Berkeley street to Morgan street	952	56
Sumner street	Stoughton street to East Cottage street	5,788	84
Train street	Victory road to Ashmont street	6,825	09
Trenton street	Bartlett street to Bunker Hill street	2,479	27
Union Park street	Harrison avenue to Albany street	1,809	45
Wachusett street	Walk Hill street to Weld Hill street	4,545	25
Waldeek street	Tonawanda street to Melville avenue	5,184	46
Wapping street	Chelsea street to Water street	2,414	51
Washington street	Eldon street to Fenelon street	5,511	76
Washington street	Circuit street to Dale street (east side)	4,443	76
Waumbeck street	Warren street to Crawford street	6,234	15
Wellington street	Columbus avenue to railroad	879	79
West Fourth street	B street to C street	5,748	70
Windermere road	Stoughton street to Cushing avenue	2,889	93
Total		\$391,496	_
Due to Paving Service	\$98,740 06		
Due to Granolithic Sidewa	lks		
Due to Reconstructing and	Repairing Streets by Contract 2,038 53		
Due from Highways, Maki	ng of	100 707	
		100,785	
		\$290,711	40

PUBLIC WORKS DEPARTMENT—HIGHWAY DIVISION—PAVING SERVICE.

Table Showing Cost by Years of Resurfacing or Patching from February 1, 1917, to January 31, 1922. Maintenance of Macadam Streets.

	1917.	1918.	1919.	1926.	1931.
Total length of macadam in miles	390 04	386.97	379.90	‡ 375.28	01°998‡
Total area of macadam in square yards	6,913,275	6,815,543	6,648,728	‡ 6,538,199	‡ 6,232,041
Total cost of resurfacing of macadam *	\$138,452 49	\$115,285 89	\$283,983 33	\$ \$289,635 97	\$ \$301,051 59
Total cost of patching of macadam †	\$198,820 05	\$181,286 71	\$213,774 43	¶ \$248,468 81	¶ \$251,521_06
Cost of resurfacing per mile over cutire mileage	\$354 96	\$297 92	\$747 52	871178	\$822 32
Cost of resurfacing per square yard over entire area	\$0 05	\$0 017	\$0 042	\$0 014	\$0.0483
Longth of macadam resurfaced yearly in miles	10.74	12.6	19.9	16.2	19 07
Cost per mile of macadam resurfaced yearly	\$12,891.29	\$9,149 59	\$14,270 52	\$17,878.76	\$15,786-66
Area of macadam resurfaced yearly in square yards	165,401	186,337	268,015	229,680	254,321
Cost per square yard of macadam resurfaced yearly.	\$1.20	\$0 619	\$1 059	\$1.26	81,183
Area of macadam patched yearly in square yards	788,981	230,159	397,362	069'012	886,509
Cost per square yard of macadam patched yearly	\$0 252	\$0.788	\$0.537	80 459	\$0-366
Einders used in resurfacing (per cent):					
Water	2690	.4259	.1569	.1200	1022
Tar proparation	.5831	3695	.4534	9928.	4420
Asphalt preparations	3474	2046	7888	.5231	.4558

[•] By resurfacing is meant entire area of street excavated and resurfaced with not less than four inches of new material.
• By patching is negant scattered areas of depressions, etc., which are filled with new material from a depth of one half inch up, and in some cases blandary patching is negant scattered areas of depressions, etc., which are filled with new material from a depth of one half inch up, and in some cases blandary. ket coated with bituminous binder.

Of this amount 128 03 miles or 2,333,347 square yards is bituminous macadam.
\$85,539.84 charged to Maintenance; \$21,541,77 charged to Street Improvements.
[\$200,906,59 charged to Maintenance; \$41,524.47 charged to Street Improvements.
\$45,255 square yards patched; 295,033 square yards arbitrate cont. 44,201 square yards asplait blanket cont.

New Edgestones. (Does not include work done on streets laid out and constructed under chapter 393 of the Acts of 1906.)

First Setting. Linear Feet.

Year.	South Boston.	East Boston.	Charlestown.	Brighton.	West Roxbury.	Dorchester and Hyde Park.	Roxbury.	City Proper.	Totals.
1912	6,045	1,017	229	1,806	7,590	9,669	3,168	407	39,231
1913	2,199	557	70	1,221	2,907	10,296	2,716	1,359	21,325
1914	4,773	959		1,970	1,520	1,637	901	672	12,432
1915	947	265		4,939	2,230	6,928	4,547	331	20,187
1916	221	1,996		1,987	2,393	3,378	1,968	638	12,581
1917	1,779	298		1,159	8,225	7,189	933	524	20,107
1918		2,498		162	4,751	684	662		8,757
1919	324	151		1,144	1,075	1,573	641	54	4,962
1920	87	244	336	37			1,837	999	3,540
1921	30	367		333	359	1,800	1,641		4,530
Totals	16,405	8,352	635	14,758	31,350	43,154	19,014	4,984	138,652

New Brick Sidewalks. (Does not include work done on streets laid out and constructed under chapter 393 of the Acts of 1906.)

First Laying. Square Yards.

YEAR.	South Boston.	East Boston.	Charlestown.	Brighton.	West Roxbury.	Dorchester and Hyde Park.	Roxbery.	City Proper.	Totals.
1912	2,249	623				208	716		3,790
1913	490	465			80	103	647	86	1,871
1914	762	379				150	382	585	2,258
1915	287	465		150			501		1,403
1916	125	175					366		666
1917	17	20				105	599	49	790
1918		95					95	40	230
1919	491	1,351					322		2,164
1920	19	210	1 ,		 				259
1921	2,122		l			576	322		
Totals	6,562	3,783		150	80	1,142	3,950	446	15,427

Recapitulation, 1921.

Districts.	Edgestones. Linear Feet.	Brick. Square Yaros.
South Boston Paving District, No. 1 East Boston Paving District, No. 2 Charlestown Paving District, No. 3	30 367	2,122
Brighton Paving District, No. 4	333 359 1,434 1,641	576 322
Ashmont Paving District, No. 9	366	
Totals	4,530	3,020

Loads of Dirt and Street Cleanings Removed from February 1, 1921, to January 31, 1922.

Districts.	Single, *	Double. †	Auto Trucks. ‡	Cubic Yards.
South Boston				
East Boston	164	131		426
Charlestown	46			46
Brighton	1,196	1,444		4,084
West Roxbury	1,216	2,826		6,868
Dorchester	333	188		709
Roxbury	5,206	121		5,448
South End	6	168	75	792
Ashmont	1,341	290		1,921
North End	294			294
Hyde Park	2,074	499		3,072
Totals	11,876	5,667	75	23,660

^{*} Single loads, 1 cubic yard. \dagger Double loads, 2 cubic yards. \ddag Auto truck loads, 6 cubic yards.

The Number of Loads of Snow Removed from February 1, 1921, to January 31, 1922.

Districts.	Single. *	Double†	Auto Trucks.	Cubic Yards.	Cost.‡
South Boston East Boston Charlestown Brighton West Roxbury Dorchester Roxbury South End Ashmont North End Hyde Park	2,483 193 1,227 161 384 861 720 871 72 1,069	652 530 776 420 183 120 154		4,966 386 4,410 1,912 3,096 2,982 1,989 2,102 606 2,138	\$8,725 16 6,629 99 6,972 80 5,601 05 10,182 96 10,947 41 23,295 29 9,795 33 5,774 05 10,533 16 2,002 39
Totals	8,041	2,835		24,587	\$100,459 59

Snow and Ice Removed by Contract from February 1, 1921, to January 31, 1922.

Snow Districts.	Number of Loads.*	Cubic Yards.	Cost per Cubic Yard.	Total Cost.
District No. 1 District No. 2 District No. 3 District No. 4 District No. 5 District No. 6 District No. 7	2,184 1,181 6,993 1,282 2,944 3,847 1,211	$14,563 \\ 9,562 \\ 36,768 \\ 10,070\frac{1}{2} \\ 24,201\frac{1}{2} \\ 20,800 \\ 10,778$		\$6,553 35 5,259 10 23,163 84 6,847 94 16,941 05 10,192 00 5,281 22
Totals	19,642	126,743	\$0 57	\$74,238 50

Note. - * Loads vary from three (3) to ten (10) cubic yards.

^{*} Single loads, 2 cubic yards. † Double loads, 3 cubic yards ‡ Includes cost of plowing gutters, cleaning sidewalks and picking ice not carted away.

Summary of Volume and Cost of Snow Removed, Year Ending January 31, 1922.

		TE,	TEAMS.	TOTAL	TOTAL TEAMS.						
Work Done вт	Districts.	Single.	Double and Auto Truck.	Single.	Double and Auto Truck.	Cubic Yards.	Total Cubie Yards,	Cost.	Total Cost.	Cost per Cubie Yard.	Total Cost per Cubie Yard.
Paving Service, day work	South Boston. East Boston. Charlestown Brighton. West Roxbury Dorchester Roxbury South End Ashmont. North End Hyde Park	2,483 193 193 101 101 172 861 172 871 170 871 170 170 170 170 170 170 170 170 170 1	652 530 776 776 120 120	18,041	2, 3 2, 835	4,966 4,410 1,912 3,096 2,982 1,989 1,989 2,102 2,103 606 2,138	21,587	\$8,725 6,629 6,972 8,972 10,182 9,725 10,182			
Paving Service, contract	Snow District No. 1. Snow District No. 2. Snow District No. 3. Snow District No. 4. Snow District No. 6. Snow District No. 6. Snow District No. 6. No. District No. 6. Nuscellaneous		2,184 1,181 6,993 1,282 2,984 3,847		6 19,642	14,563 9,562 36,768 10,071 24,201 20,800 10,778	. I	\$6,553 35 5,259 30 23,163 84 6,847 94 16,941 05 10,192 6,281 22 5,281 22 2,718 99	₽	8 45 65 85 85 85 85 85 85 85 85 85 85 85 85 85	
Street Cleaning Service	South Boston East Boston Charlestown Dorchester Roxbury South End, down town Back Bay. North and West Ends. Patrol (system)	252 678 232 232 64 8,943 156 4,048 4,592				756 2,034 0964 192 7. 26,829 468 12,144 13,776	120,/43	\$3,287 02 2,483 95 1,364 15 1,005 67 492 24 9,961 80 7,960 80 10,998 90	6# /c6'0/¢	\$0 993 8722 1 009 867 03 365 605 619	i co
	Totals		. :		7 18,965		56,895		\$37,982 13		\$0.518

¹ Single load, 2 cubic yards. ² Double load, 3 cubic yards. ³ Auto truck loads 6 cubic yards. ⁴ Includes cost of plowing gutters, cleaning sidewalks and picking ice not carted away. ⁶ Loads vary from 3 to 10 cubic yards. ⁶ Loads vary from 3 to 10 cubic yards. ⁶ Includes engineering and inspection, \$2,157.39 and incidentals, \$501.00.
⁷ Street Cleaning Service, single loads, 3 cubic yards.

STREET OPENINGS.

Under Classes 1 and 2 of the schedule of permit fees, permits were issued for openings in public ways as follows:

To Whom Issued.	Permits.	Length in Feet.
Sewer and Water Services	2,498 1,284	29,976 37,765
Boston Elevated Railway Company Dedham and Hyde Park Gas and Electric Com-	231	128,005
pany Edison Electric Illuminating Company	$\begin{array}{c} 45 \\ 1,367 \end{array}$	$3,280 \\ 97,310$
New England Telephone and Telegraph Company,	165	12,945
Quincy Market Cold Storage and Warehouse Company	20	1,370
Western Union Telegraph Company	$\begin{array}{c} 41 \\ 904 \end{array}$	5,485 180,351
Emergency permits	$\begin{array}{c} 748 \\ 742 \end{array}$	
Estimated length of emergency permits		18,500
Totals	8,045	515,187

Making a total length of openings approximately ninety-eight miles. This is the shortest estimated length for a number of years.

Permits for purposes other than openings have been issued as follows:

Advertised by men wearing letter	ed ha	t an	d coa	at	27
Cleaning snow from roof					36
Driving cattle through streets					3
Erecting and repairing awnings					902
Erecting and repairing buildings					908
Painting or minor repairs on build	dings				4,615
Moving buildings in streets .					1
Feeding horses in streets					106
Placing signs flat on buildings					859
Projecting signs from buildings					341
Raising or lowering safes or heavy	mach	nine	s .		151
Emergency permits for above					404
Special permits					410
					8,763
Total of all permits issued					16,808

The revenue from issuing permits amounted to \$22,366.28, divided as follows:

Class No. 1.	Openings	\$3,411 50
2.	Emergency openings	761 00
$\overline{3}$.	Advertising	27 00
4.	Cleaning snow from roofs	36 00
$\tilde{5}$.	Driving cattle	15 00
6.	Erecting and repairing awnings .	896 00
7.		15 00
8.	Erecting, repairing and altering	
	buildings	9,614 78
9.	Minor repairs on buildings	4,607 00
10.	Feeding horses	106 00
11.	Placing flat signs	857 00
12.	Projecting signs	341 00
13.	Raising and lowering safes, etc.,	154 00
14.	Emergency permits for above .	404 00
15.	Special permits	1,121 00
		\$22,366 28

Nineteen thousand one hundred and forty-four dollars and sixty-eight cents were deposited with the City Collector. Bills for the collection of \$3,221.60 were deposited with the City Collector.

Poles.

Permits were issued for placing 336 poles in new locations, for replacing 437 in old locations and for removal of 392.

Bonds.

There are now on file 1,934 surety company bonds in amounts of one, three and twenty thousand dollars covering the city against claims for damages, etc., through the use of permits.

DEFECTS IN SIDEWALKS AND ROADWAYS.

Sixteen thousand nine hundred and sixty notices were sent to the foremen of the paving districts, contractors, public service corporations and others to make repairs to pavement defects for which they were responsible.

Two hundred and ninety-four notices were sent to property owners to make repairs for which they were responsible.

Plans.

During the year plans were filed as follows:

To Whom Issued.	Mains.	Poles.	Tracks.	Conduits.	Miscel- laneous.
New England Telephone and Tele-		23		37	
graph Company. Edison Electric Illuminating Company.		157		149	
Boston Consolidated Gas Company,	11				
Dedham & Hyde Park Gas Com-	5				
pany. Charlestown Gas Company	6				
Boston Elevated Railway Company,			8	6	
Quincy Market Cold Storage					
Boston Low Tension Wire Associa-				1	
tion. Boston Schoolhouse Commission				2	
Eastern Massachusetts Railway Company.			1	1	
Boston Police Department				6	
Western Union Telegraph Company,				5	
Boston Fire Department				46	
Miscellaneous				. ,	51
Totals	22	180	9	253	51

Total number of plans now on file, 15,219.

Street Numbering.
Building numbers have been assigned as listed below:

Districts.	Entire Streets Num- bered.	Entire Streets Renum- bered.	Partly Num- bered Streets.	Partly Renum- bered Streets.	Estates Num- bered.	Estates Renum- bered.
East Boston					34	1
Charlestown					14	1
Boston					86	
South Boston					37	
Roxbury		1		1	72	44
West Roxbury				1	263	6
Dorchester					286	5
Brighton					144	
Hyde Park					24	
Totals		1		2	960	57

‡ Laid without guaranty.

LIST OF STREETS HAVING A SMOOTH PAVEMENT. *Park roads in charge of Park Department. †Public streets in charge of Park Department. †Lai

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
A street (South Boston)	15 feet northeast of West Broadway to West Broadway. Aome asphalt, Laid by Warren Brothers Company. Bessemer brick block gutters. Laid by Warren Brothers Company	. 15 {	47 8	1917	Oct. 18, 1922. Oct. 18, 1922.
A street (South Boston)	West Broadway to 15 feet southwest of West Broadway. Aeme asphalt. Laid by Warren Brothers Company. Bessemer brick block gutters. Laid by Warren Brothers Company	15 {	45 8	1917 1917	Oct. 18, 1922. Oct. 18, 1922.
Academy Hill road (Brighton)	At Washington street. Bitulithic. Laid by Warren Brothers Company	က	17	1913	
Acton street (city proper)	10 feet west of Washington street to 6 feet east of Bradford street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	243	329	1896	
Acton street (city proper)	6 feet east of Bradford street to Bradford street. Sicilian rock asphalt, Laid by Boston Asphalt Company.	9	∞	1897	
Adams street (Dorchester)	At Bowdoin street. Topeka. (Macadam base.) Laid by city force	13	159	1918	
Adams street (Roxbury)	Each side of Eustis street. Bitulithic. Laid by John F. Beatty	61	00	1914	
Adams street (Roxbury)	At Dudley street. Mack brick block. Laid by James Doherty	7	20	1910	
Addison street (East Boston)	At Saratoga street. Standard asphalt. Laid by Bermudez Company	×	32	1918	May 1, 1924.
Ainsworth street (West Roxbury)	At Centre street. Asphalt. (Macadam base.) Laid by the Bernudez Company.	6	29	1920	May 5, 1926.
Albany street (eity proper)	82 feet north of Broadway to 27 feet north of Broadway. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	55	204	1899	
Albany street (city proper)	27 feet north of Broadway to 13 feet north of the south side of Way street. Pine wood block. Laid by New York, New Haven & Hartford Railroad Company.	55	204	1913	

List of Streets Having a Smooth Pavement — Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Albany street (city proper)	7 feet north of Stoughton street to 10 feet north of Massachusetts avenue. Pine wood block. Laid by Bernard E. Grant.	974	5,844	1917	Jan. 19, 1923.
Albany street (eity proper and Roxbury).	9 feet south of Massachusetts avenue to 37 feet north of Southampton street. Pine wood block. Laid by Bernard E. Grant.	234	1,407	1917	Jan. 19, 1923.
Albany street (Roxbury)	44 feet south of Hampden street to 7 feet north of Eustis street. Mexican asphalt. Laid by Bermudez Company.	1,606	4,881	1918	++
Alford street (Charlestown)	Malden Bridge draw. Jennison Wright slab block pavement. Laid by Boston Bridge Company.	125	611	1918	**
Alfred street (West Roxbury)	At Green street. Topeka. Macadam base. Laid by Central Construction Company.	7	81	1921	June 3, 1926.
Algonquin street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	က	11	1913	
Allen street (city proper)	Charles street to 1 foot east of Charles street. Pine wood block. Laid by John McCourt Company.	-	က	1920	Aug. 20, 1925.
Allen street (city proper)	1 foot east of Charles street to 2 feet east of Charles street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	-	က	1916	
Allen street (city proper)	2 feet east of Charles street to 18 feet east of Blossom street. Mexican asphalt (macadam base). Laid by Central Construction Company.	786	2,099	1917	**
Allen street (city proper)	18 feet east of Blossom street to Chambers street. Bitulithic on crushed stone base. Laid by Warren Brothers Company.	507	1,300	1905	
Allandale street (West Roxbury)	At Centre street. Topeka. Macadam base. Laid by Rowe Contracting Company.	33	150	1919	Aug. 12, 1924.
Allston street (Brighton)	Brighton avenue to 10 feet south of Brighton avenue. Aztec asphalt (macadam base). Laid by the Burmedez Company.	10	40	1917	Dec. 7, 1922.

May 21, 1923	June 24, 1924.	++	Dec. 6, 1924.	Dec. 6, 1924	April 22, 1926.	April 22, 1926.	May 4, 1926.	May 4, 1926.		May 31, 1924.				
1917	1919	1918	1919	1919	1920	1920	1921	1921	1899	1919	1906	1906	1916 1916	1914
344	35	10	10,206	55	71	354	108	432	290	106	18	18	2,180 314	15
129		က	3,397	-	13	105	27	06	201	16	4	ঝ	} 264 {	က
North street line of Commonwealth avenue to the south street line of Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	At Bellvista road. Acme asphalt (macadam base). Laid by John F. Lynch,	At Dearborn street. Mexican asphalt. Laid by Bermudez Company	80 feet south of West Walnut park to 7 feet north of Green street. Mexican asphalt (macadam base). Laid by Central Construction Company.	7 feet north of Green street to Green street. Topeka. Laid by the Central Construction Company.	12 feet east of Belgrade avenue to Belgrade avenue. Topeka (macadam base). Laid by Rowe Contracting Company.	Belgrade avenue to 105 feet west of Belgrade avenue. Topeka (macadam base). Laid by Rowe Contracting Company.	27 feet east of Beech street to Beech street. Topeka (macadam base). Laid by Rowe Contracting Company.	West street line of Reech street to 90 feet west of west street line of Beech street. Topeka (macadam base). Laid by Rowe Contracting Company.	East Dedham street to East Canton street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Tremont street to 16 feet west of Tremont street. Topeka. Laid by Rowe Contracting Company.	4 feet east of Berkeley street to Berkeley street. Bitulithic. Laid by Warren Brothers Company.	Berkeley street to 4 feet west of Berkeley street. Bitulithic. Laid by Warren Brothers Company	4 feet west of Berkeley street to 3 feet east of Clarendon street. Acme asphalt (macadam base). Laid by Warren Brothers Company Bessemer brick block gutters. Laid by Warren Brothers Company	3 feet east of Clarendon street to Clarendon street. Bitulithic. Laid by Warren Brothers Company.
Allston street (Brighton)	Allston street (Brighton)	Ambrose street (Roxbury)	Amory street (Roxbury and West Roxbury).	Amory street (West Roxbury)	Anawan avenue (West Roxbury)	Anawan avenue (West Roxbury)	Anawan avenue (West Roxbury)	Anawan avenue (West Roxbury)	Andrews street (eity proper)	Appleton street (eity proper)	Appleton street (city proper)	Appleton street (city proper)	Appleton street (city proper)	Appleton street (city proper)

List of Streets Having a Smooth Pavement — Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Appleton street (city proper)	Clarendon street to 3 feet west of Clarendon street. Bitulithic. Laid by Warren Brothers Company.	က	14	1914	
Appleton street (city proper)	3 feet west of Clarendon street to 8 feet east of Dartmouth street. Aeme asphalt (maradam base). Laid by Warren Brothers Company Bessemer brick block gutters. Laid by Warren Brothers Company	557 {	2,151 310	1916 1916	
Appleton street (city proper)	S feet west of Dartmouth street to 91 feet east of West Canton street. Arm easibilat (macadam base). Laid by Warren Brothers Company Bessemer brick block gutters. Laid by Warren Brothers Company	293	140 1,163	1916 1916	
Appleton street (city proper)	91 feet east of West Canton street to 10 feet east of Columbus avenue. Bitulithic. Laid by Fred S. & A. D. Gore Corporation.	171	1,163	1912	
Appleton street (city proper)	10 feet east of Columbus avenue to Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	10	95	1906-07	
Arbutus street (Dorchester)	Irma street to 6 feet west of Irma street. Bitulithic. Laid by Warren Brothers Company.	9	19	1919	May 26, 1924.
Arbutus street (Dorchester)	6 feet west of Irma street to 6 feet east of Lucerne street. Topeka. Laid by Martino DeMatteo.	202	584	1921	May 17, 1926.
Arbutus street (Dorchester)	6 feet east of Lucerne street to Lucerne street. Aztec asphalt. Laid by the Bernudez Company.	9	19	1919	Oct. 20, 1924.
Arbutus street (Dorchester)	Lucerne street to 7 feet west of Lucerne street. Aztec asphalt. Laid by the Bermudez Company.	r-	21	1919	Oct. 20, 1924.
Arbutus street (Dorchester)	7 feet west of Lucerne street to Blue Hill avenue. Topeka. Laid by Martino DeMatteo.	480	1,435	1921	May 17, 1926.
Arch street (city proper)	Milk street to Franklin street. Residual asphalt. Laid by Central Construction Company.	416	1,203	1915	
Arch street (city proper)	9 feet south of Franklin street to 12 feet north of Summer street. Residual asphalt. Laid by Central Construction Company.	382	1,303	1915	

		May 26, 1926.	May 5, 1926.				++			June 4, 1924.	June 8, 1926.	May 12, 1926.	May 12, 1926.	May 12, 1926.
1915	1915	1921	1920	1916	1901	1161	1918	1915	1901	1919	1921	1921	1921	1921
63	150	1,292	54	840	1,366	1,069	736	09	7,168	20	1,851	44	139	51
12		438	18	290	100 {	376	173	10	1,300		484	10	26	14
12 feet north of Summer street to Summer street. Pine wood block. Laid by Northern Construction Company.	Near Summer street. Trinidad asphalt. Laid by Northern Construction	Steet west of Washington street to South street. Topeka. Laid by Martino DeMatteo.	At Centre street. Asphalt (macadam base). Laid by Bermudez Company,	Colberg avenue to Belgrade avenue. Aztec asphalt. Laid by Central Construction Company.	Bridge over New York, New Haven & Hartford Railroad. Metropolitan brick (in street car tracks). Laid by Boston Elevated Railway Company. Trinidad asphalt. Laid by Barber Asphalt Paving Company	16 feet north of Boston & Albany Reihroad Bridge to 50 feet north of Isabella street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	31 fect south of Providence street to 35 feet south of Boylston street. Bessemer brick block. Laid by Coleman Brothers.	8 feet north of Boylston street to 18 feet north of Boylston street. Pine wood block. Laid by Clark & Gore.	18 feet north of Boylston street to Beacon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	At Newbury street. Bitulithic. Laid by Warren Brothers Company	Market street to 11 feet west of Leicester street. Simasco. Luid by Simpson Brothers Corporation.	10 feet west of Hyde Park avenue to Hyde Park avenue. Topeka. Laid by Martino DeMatteo.	Hyde Park avenue to 26 feet east of Hyde Park avenue. Topeka. Laid by Martino DeMatteo.	26 feet cast of Hyde Park avenue to 40 feet cast of Hyde Park avenue. Topoka macadam base. Laid by Martino DeMattco.
Arch street (city proper)	Arch street (city proper)	Archdale road (West Roxbury)	Ardale street (West Roxbury)	Ardent street (West Roxbury)	Arlington square (city proper)	Arlington street (city proper)	Arlington street (city proper)	Arlington street (city proper)	Arlington street (city proper)	Arlington street (city proper)	Arlington street (Brighton)	Arlington street (Hyde Park)	Arlington street (Hyde Park)	Arlington street (Hyde Park)

List of Streets Having a Smooth Pavement — Continued.

STREETS.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Armandine street (Dorchester)	At Washington street. Topeka (macadam base). Laid by Warren Brothers Company.	6	27	1918	Sept. 25, 1923.
Armington street (Brighton)	At Imrieroad. Asphalt concrete. Laid by Charles S. Callahan	ιo	12	1921	Aug. 2, 1926.
Arthur street (Brighton)	At North Beacon street. Bithulithic, Laid by Warren Brothers Company,	10	28	1918	Dec. 24, 1923.
Ash street (city proper)	Bennet street to north side of Nassau street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	226	440	1905	
Ash street (city proper)	North side of Nassau street to 6 feet north of Oak street. Acme asphalt. Loid by Warren Brothers Company.	216	379	1909	
Ashburton place (city proper)	Somerset street to 55 feet east of Bowdoin street. Bitulithic crushed stone base. Laid by Warren Brothers Company.	278	665	1904	
Ashburton place (city proper)	55 feet east of Bowdoin street to Bowdoin street. Bitulithic. Leid by Warren Brothers Company.	48	111	1911	
Ashby street (Brighton)	At Commonwealth avenue. Pine wood block. Laid by Clark & Gore	19	7.5	1915	
Aspinwall road (Dorchester)	Talbot avenue to 22 feet east of Talbot avenue. Mack brick block. Laid by James Doherty.	22	86	1911	
Aspinwall road (Dorchester)	22 feet east of Talbot avenue to 29 feet east of Talbot avenue. Mack brick crosswalks. Laid by James F. Murphy.	2	37	1907	
Aspinwall road (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	56	1913	
Astor street (Roxbury)	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	4	13	1901	
Athens street (South Boston)	West Second street to A street. Sicilian rock asphalt; bituminous concrete base. Laid by Boston Asphalt Company.	614	905	1895	
Athens street (South Boston)	Bridge over New York, New Haven & Hartford Railroad. Pine wood block. Laid by Central Construction Company.	64	65	1918	++

Athens street (South Boston) B street to C street.	B street to C street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	503	726	1892	
Athens street (South Boston)	C street to D street. Sicilian rock asphalt. Laid by Jones & Meehan	508	734	1901	
Atherton street (Roxbury)	Each side Amory street. Mexican asphalt (macadam base). Laid by Central Construction Company.	18	09	1919	Dec. 6, 1924.
Atkins street (Brighton)	Washington street to 27 feet north of Justin road. Mexican asphalt. Laid by Central Construction Company.	618	1,490	1917	July 18, 1922.
Atlantic street (South Boston)	At Thomas Park. Bitulithic. Laid by Warren Brothers Company	က	10	1905	
Atwill road (West Roxbury)	Richwood street to 6 feet north of Richwood street. Topeka. Laid by Central Construction Company.	9	1.5	1917	June 19, 1923.
Atwill road (West Roxbury)	ô feet north of Richwood street to Park street. Topeka. Laid by Rowe Contracting Company.	207	599	1919	Oet. 22, 1924.
Auburn street (city proper)	S feet south of Leverett street to Chambers street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	242	556	1911	
Auburn street (eity proper)	Chambers street to Poplar street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	367	764	1911	
Auburn street (Roxbury)	Ruggles street to 7 feet south of Ruggles street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	1~	50	1907	
Auburn street (Roxbury)	7 feet north of Vernon street to Vernon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	1-	20	1907	
Auckland street (Dorchester)	At Hallann street. Mexican asphalt (macadam base). Laid by Martino DeMatteo.	:	16	1919	June 30, 1924.
Austin street (Charlestown)	8 feet west of Seminary place to 5 feet east of Lawrence street. Trinidad asphalt. Laidby Barber Asphalt Paving Company.	143	413	1881	
Avenue Louis Pasteur (Roxbury)	121 feet north of Longwood avenue to Longwood avenue. Mack brick block. Laid by James Doherty.	121	1,244	1910	
Avery street (city proper)	Washington street to 10 feet west of Washington street. Pine wood block. Laid by Bernard E. Grant.	10	30	1917	Nov. 4, 1922.

List of Streets Having a Smooth Pavement — Continued.

Spreeffs.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.	anty res.
Avery street (city proper)	10 feet west of Washington street to Tremont street. Bitulithic. Laid by Coleman Brothers.	415	1,200	1914		
Avon street (city proper)	Washington street to 9 feet east of Washington street. Pine wood block. Laid by Bernard E. Grant.	6	20	1917	Nov. 4, 1922.	t, 1922.
Avon street (eity proper)	9 feet east of Washington street to Chauncy street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	420	1,042	1901		
Avon street (city proper)	At Jordan Marsh Company doorways. Mackbrickblock	œ	19			
B street (South Boston)	14 feet northeast of West Broadway to West Broadway. Aeme asphalt. Laid by Warren Brothers Company. Bessemer brick block gutters. Laid by Warren Brothers Company	14 {	88	1917 1917	Oct. 18	18, 1922. 18, 1922.
B street (South Boston)	West Broadway southwesterly. Acme asphalt. Laid by Warren Brothers Company Bessemer brick block gutters. Laid by Warren Brothers Company		10	1917 1917	Oct. 18	18, 1922. 18, 1922.
Babcock street (Brighton)	Commonwealth avenue to Boston & Albany Railroad. Topeka. Laid by Rowe Contracting Company.	933	4,067	1920	Dec. 6	6, 1925.
Babson street (Dorchester)	Blue Hill avenue to 25 feet north of Norfolk street. Bitulithie (macadam base). Laid by Warren Brothers Company.	201	653	1918	Nov. 4	4, 1923.
Babson street (Dorchester)	25 feet north of Norfolk street to Norfolk street. Bitulithie. Laid by Warren Brothers Company.	22	150	1918	Nov. 4, 1923.	i, 1923.
Babson street (Dorchester)	Norfolk street to 83 feet south of Norfolk street. Bitulithic (macadam base). Laid by Warren Brothers Company.	83	645	1918	Nov. 4	4, 1923.
Baird street (Dorchester)	Blue Hill avenue to Morton street. Bitulithic. Laid by Warren Brothers Company.	545	1,605	1919	May 26, 1924.	, 1924.
Bakersfield street (Dorchester)	At Stoughton street. Topeka (macadam base). Laid by department forces,	61	7	1920		
Ballard street (West Roxbury)	At Centre. Topeka (macadam base). Laid by Rowe Contracting Company,	=======================================	22	1919	Aug. 12, 1924.	, 1924.

Balsam street (Dorehester)	At Irma street. Bitulithic. Laid by Warren Brothers Company	2	22	1919	May 26, 1924.
Balsam street (Dorchester)	7 feet cast of Lucerne street to Lucerne street. Asphalt. Laid by The Bernudez Company.	7	55	1919	Oct. 20, 1924.
Balsam street (Dorchester)	Lucerne street to 7 feet west of Lucerne street. Asphalt. Laid by The Bermudez Company.	7	22	1919	Oct. 20, 1924.
Baneroft street (Roxbury)	At Columbus avenue. Asphalt concrete (macadam base). Laid by Simpson Brothers Corporation.	17	09	1921	Aug. 9, 1926.
Barbara street (West Roxbury)	At Centre street. Topeka (macadam base). Laid by Central Construction Company.	11	33	1920	Dec. 22, 1925.
Bardwell street (West Roxbury)	South street to Ballard street. Mexican asphalt. Laid by Central Construction Company.	623	1,328	1917	June 13, 1922.
Barton court (city proper)	Barton street to Brighton street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	134	182	1904	
Barton street (city proper)	Leverett street to Chambers street and Chambers street to 5 feet north of Milton street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	380	645	1895	
Barton street (eity proper)	5 feet north of Milton street to Milton street. Seyssel rock asphalt. Laid by Jones & Mechan.	23	× ×	1899	
Bath street (city proper)	Each end at Post Office square. Pine wood block. Laid by Coleman Brothers Incorporated.	333	09	1921	Nov. 19, 1926.
Batterymarch street (city proper)	93 feet west of Broad street to 7 feet east of Milk street. American rock asphalt (granite block base). Laid by Jones & Meehan.	206	629	1909	
Batterymarch street (city proper)	7 feet east of Milk street to Milk street. Pine wood block. Laid by James Doherty.	7	21	1161	
Batterymarch street (city proper)	Milk street to 7 feet west of Milk street. Pine wood block. Laid by James Doherty.	7	21	1911	
Batterymarch street (city proper)	7 feet west of Milk street to 57 feet west of Milk street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	20	150	1896	
Batterymarch street (city proper)	57 feet west of Milk street to 16 feet east of Liberty square. Aztec asphalt. Laid by James Doberty.	22	231	1919	++

List of Streets Having a Smooth Pavement.—Continued.

Spreets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Batterymarch street (city proper)	16 feet east of Liberty square to Liberty square. Pine wood block. Laid by James Dolerty.	16	48	1919	Oct. 10, 1924.
Bay State road (Roxbury)	Beavon street to 215 feet west of Beavon street. Pine wood block. Laid by James Doherty.	215	1,244	1920	Sept. 11, 1925.
Bayswater street (East Boston)	Austin avenue to east street line of Waupello road. Aztee asphalt. Laid by James Doherty.	899	2,555	1919	June 30, 1924.
Beacon street (city proper)	Tremont street to 12 feet west of Tremont street. Pine wood block. Laid by Bernard E. Grant.	12	43	1917	Oct. 21, 1922.
Beacon street (city proper)	$21 \; {\rm feet} \; {\rm west} \; {\rm of} \; {\rm Park} \; {\rm street} \; {\rm to} \; 13 \; {\rm feet} \; {\rm east} \; {\rm of} \; {\rm Charles} \; {\rm street}. \; \; {\rm Topeka} \; ({\rm macadam \; base}) \; . \; Laid by Bernard E. Grant. $	1,686	6,151	1917	Nov. 15, 1922.
Beacon street (city proper)	13 feet east of Charles street to Charles street. Pine wood block. Laid by B. E. Grant Company.	13	113	1921	Nov. 19, 1926.
Beacon street (city proper)	Charles street to 2 feet west of Charles street. Fine wood block. Laid by B. E. Grant Company.	c)	19	1921	Nov. 19, 1926.
Beacon street (city prover)	2 feet west of Charles street to 6 feet west of Arlington street (south side). Trinidad asphalt. Laid by Barber Asphalt Paving Comfany.		2,107	1901	
Beacon street (city proper)	2 feet west of Charles street to east side of Brimmer street (north side). Trinidad asphalt. Laid by Barber Asphr'lt Paving Company.	530	2,000	1891	
Beacon street (city proper)	Easterly side of Brimmer street to 6 feet west of Arlington street (north side). American rock asphalt. Laid by Jones & Meehan.	334	1,519	1908	
Beacon street (city proper)	6 feet west of Arlington street to 5 feet east of Dartmouth street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	1,851	906'6	1900-01	
Beacon street (city proper)	5 feet east of Dartmouth street to easterly side of Hereford street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	2,285	12,134	1909	

Beacon street (city proper)	Easterly side of Hereford street to Massachusetts avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	703	3,754	1907	
:	At Massachusetts avenue. Bitulithic. Laid by Warren Brothers Company.		9	1902	
:	Massachusetts avenue to east side of Charlesgate West. Pine wood block. Laid by James Doherty.	922	4,908	1920	Sept. 11, 1925.
:	Esst side of Charlesgate West to 10 feet east of Raleigh street. Pine wood block. Laid by James Doherty.	595	3,138	1920	Sept. 11, 1925.
:	10 feet cast of Raleigh street to east side of bridge over the Boston & Albany Railroad. Aztec asphalt. Laid by Bernudez Company.	1,548	8,040	1917–18	June 1, 1923.
:	Brookline line to 10 feet east of east side of Cleveland eirele. Asphalt concrete (macadam base). Laid by John J. Lane.	446	4,060	1921	Oct. 13, 1926.
-:-	10 feet cast of cast side of Cleveland circle to 94 feet west of C eveland circle. Asphalt concrete. Laid by John J. Lane.	417	6,137	1921	Oct. 13, 1926.
:	94 feet west of Cleveland circle, 1,011 feet west of east street line of Reservoir lane. Concrete road (25 feet wide). Laid by city force.	3,189	8,858	1917	
:	1,011 feet west of east street line of Reservoir lane to Newton line. Concrete road. Laid by city force.	2,308	6,411	1916	
	At Beacon street. American rock asphalt. Laid by Jones & Meehan	П	က	1908	
	Belgrade avenue at 15 feet north to north side of West Roxbury parkway. Topeka. Laid by Rowe Contracting Company.	155	689	1920	May 4, 1926.
-:-	North side West Roxbury parkway to 13 feet south of Belgrade street. Topeka (macadam base). Laid by Rowe Contracting Company	541	1,343	1921	May 4, 1926.
-:	At Dorchester avenue. Pine wood block. Luid by William J. Barry	10	31	1919	Aug. 21, 1924.
-:-	287 feet west of Rexhame street across Anawan avenue. Topeka (macadambase). Laid by Rowe Contracting Company.	611	1,764	1920	April 22, 1926.
:	Anawan avenue to bridge over New York, New Haven & Hartford Railroad Topeka. Laid by Rowe Contracting Company.	979	3,663	1920	April 22, 1926.
:	Bridge over New York, New Haven & Hartford Railroad to Centre street. Topeka. Laid by Rowe Contracting Company.	307	1,050	1921	April 22, 1926.

List of Streets Having a Smooth Pavement — Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Bellevue street (West Roxbury)	Centre street to 29 feet east of Centre street. Topeka. Laid by Rowe Contracting Company.	53	26	1921	Aug. 26, 1926.
Bellevue street (West Roxbury)	At Oriole street. Asphalt concrete. Laid by Martino DeMatteo	:	54	1921	July 8, 1926.
Bellevue street (West Roxbury)	29 feet east of Centre street to 114 feet east of Centre street. Topeka (macadam base). Laid by Rowe Contracting Company.	85	235	1921	Aug. 26, 1926.
Belvidere street (city proper and Roxbury).	West Newton street to 3 feet east of Massachusetts avenue. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	1,324	4,025	1902-03	
Belvidere street (Roxbury)	3 feet east of Massachusetts avenue to Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	က	12	1901	
Bellvista road (Brighton)	Allston street to Brookline line. Acme asphalt. Laid by John F. Lynch	890	2,473	1919	June 24, 1924.
Bennet street (city proper)	Ash street to 9 feet west of Harrison avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	239	452	1905	
Bennett street (Brighton)	Market street to 65 feet west of Market street. Simasco. Laid by Simpson Brothers, Inc.	65	211	1921	June 20, 1926.
Bennington street (East Boston)	Bennington street (East Boston) At Chelsea street. Aztec asphalt (macadam base). Laid by Bermudez Company.		20	1919	May 1, 1924.
Bennington street (East Boston)	Bridge over Boston & Albany Railroad. Trinidad esphalt. Leid by Barber Asphalt Paving Company.	09	507	1906	
Bennington street (East Boston)	Bridge over Boston, Revere Beach & Lynn Railroad. North roadway. Pine wood block (plank base). Laid by John B. Dolan.	20	187	1921	++
Bentham road (Dorchester)	Mt. Ida road to 7 feet west of Mt. Ida road. Aztec asphalt. Laid by McGuire & McGourty.	7	21	1919	Dec. 26, 1924.
Bentham road (Dorchester)	7 feet west of Mt. Ida road to 30 feet west of Mt. Ida road. Aztec asphalt (macadam base). Laid by McGuire & McGourty.	:	9	1919	Dec. 26, 1924.

Benton street (Roxbury)	Benton street (Roxbury) At Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Com-	56	69	1906-07		
Berkeley street (city proper)	Tremont street to 12 feet north of Tremont street. Asphalt. Laid by B. E. Grant Company.	12	140	1920	Sept. 18, 1925.	
Berkeley street (city proper)	12 feet north of Tremont street to Columbus avenue. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	1,183	4,555	1906		
Berkeley street (city proper)	150 feet south of Boylston street to 38 feet south of Boylston street. (East side.) Trinidad asphalt. Laid by Barber Asphalt Paving Company, (West side.) Trinidad asphalt. Laid by Barber Asphalt Paving Company,	} 118	191 200	$\frac{1906}{1902}$		
Berkeley street (city proper)	3S feet south of Boylston street to 15 feet south of Boylston street. Trinidad asphalt. Laid by Coleman Brothers.	83	22	1914		
Berkeley street (city proper)	15 feet south of Boylston street to Boylston street. Fine wood block. Laid by Coleman Brothers.	15	61	1914		
Berkeley street (city proper)	Boylston street to 15 feet north of Boylston street. Pine wood block. Laid by Coleman Brothers.	15	59	1914		
Berkeley street (city proper)	15 feet north of Boylston street to 119 feet north of Boylston street. Bitulithie (erushed stone base). Laid by Coleman Brothers in 1914; Warren Brothers in 1903.	104	417	1914 1903		
Berkeley street (city proper)	119 feet north of Boylston street to south street line of Newbury street. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	136	603	1903		
Berkeley street (city proper)	South street line of Newbury street to 74 feet north of Newbury street. Bitulithic. (macadam base). Laid by Warren Brothers Company.	122	542	1919	June 4, 1924.	
Borkeley street (city proper)	74 feet north of Newbury street to south street line of Commonwealth avenue. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	191	847	1903		
Berkeley street (city proper)	South street line of Commonwealth avenue to north street line of Commonwealth avenue. Bitulithic (macadam base). Laid by Warren Brothers Company.	200	828	1916		
Berkeley street (city proper)	North street line of Commonwealth avenue to 3 feet south of Marlborough street. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	262	1,164	1903		

List of Streets Having a Smooth Pavement -- Continued.

Berkeley street (city proper)		in Feet.	Square Yards.	r ear Laid.	Guaranty Expires.
	ugh street to Marlborough street. Sicilian rock on Asphalt Company.	က	15	1901	
	feet north of Marlborough street. Sicilian rock on Asphalt Company.	¢1	10	1901	
	ngh street to Beacon street. Bitulithic (crushed arren Brothers Company.	292	1,164	1903	
	At Talbot avenue (crosswalks). Mack brick block. Laid by James Doherty,	23	155	1161	
	Washington street to Florence street. Texro asphalt. Laid by McGuire & McGourty.	9+2	2,160	1919	Aug. 2, 1924.
	Mack blick block. Laid by Field, Barker & Under-	∞	23	1910	
	At Centre street. Asphalt concrete (macadam base). Laid by B. E. Grant Company.	91	50	1921	Unfinished.
	Bitulithic (macadam base). Laid by Warren	6	85	1920	July 8, 1925.
	At Brooks street. Asphalt (macadam base). Laid by city forces	11	28	1921	
: :	At Longwood avenue. Mack brick block. Laid by Field, Barker & Underwood, Inc.	∞	32	1910	
	Penfield street to 6 feet east of Albano street. Bitulithic. Laid by A. H. Archer.	346	868	1915	
Halu by A. II. Archel.	set to 416 feet west of Albano street. Bitulithic.	410	1,048	1915	
Bird street (Dorchester) At Hancock street. Mack brick block. La	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	53	1910-11	

	July 20, 1922.		May 21, 1923.		**		Nov. 15, 1922. Nov. 15, 1922.		++	++		Sept. 17, 1922.	Aug. 13, 1926.	Aug. 13, 1926.
1912	1917	1919	1917	1920	1921	1898	1917 1917	1910	1917	1919	1906	1917	1921	1921
1,882	415	33	45	9	1,044	က	1,237 261	41	742	730	509	346	895	150
489	148	13	14	-	362	-	} 208 {	6		577	199	:	196	53
Blagden street (eity proper) Huntington avenue to Exeter street. Bitulithic. Laid by Fred S. & A. D. Gore Corporation.	North side of Randolph road to 109 feet south of Randolph road. Mexican asphalt. Laid by Central Construction Company.	At Bowdoin street. Topeka (macadam base). Laid by eity force	At Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	At Geneva avenue. Topeka (macadam base). Laid by department forces,	10 feet north of Cambridge street to 1 foot south of Parkman street. Asphalt (macadam base). Laid by Rowe Contracting Company.	1 foot south of Parkman street to Parkman street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Parkman street to Allen street. Acme asphalt. Laid by Warren Brothers Company Bessemer brick block gutters. Laid by Warren Brothers Company	At Dudley street. Mack brick block. Laid by James Doherty	9 feet south of Dewey street to 12 feet north of Savin street, east side. Mexican asphalt (crushed stone base). Laid by Central Construction Com-	pany. West side. Mexican asphalt	Brunswick street to north side of Devon street. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	West side at Seaver street. Aeme asphalt (macadam base). Laid by Warren Brothers Company.	East roadway. 86 feet north of Seaver street to 80 feet south of Seaver street. Asphalt concrete (Telford macadam base). Laid by Simpson Brothers Corporation.	East roadway. 80 feet south of Seaver street to 109 feet south of Seaver street. Asphalt concrete (Telford macadam base). Laid by Simpson Brothers Corporation.
Blagden street (eity proper)	Blake street (Dorehester and Hyde Park).	Blakeville street (Dorchester)	Blanford street (Roxbury)	Bloomfield street (Dorchester)	Blossom street (city proper)	Blossom street (city proper)	Blossom street (city proper)	Blue Hill avenue (Roxbury)	Blue Hill avenue (Roxbury)		Blue Hill avenue (Roxbury)	Blue Hill avenue (Roxbury)	Blue Hill avenue (Roxbury)	Blue Hill avenue (Dorchester)

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Arca, Square Yards.	Year Laid.	Guaranty Expires.
Blue Hill avenue (Dorchester)	At Baird street. Bitulithic (macadam base). Laid by Warren Brothers Company.	:	148	1919	May 26, 1924.
Blue Hill avenue (Dorchester)	At Arbutus street. Topeka (macadam base). Laid by Martino deMatteo,	:	21	1921	May 17, 1926.
Blue Hill avenue (Dorchester)	At Wilcock street. Topeka (macadam base). Laid by Rowe Contracting Company.	:	40	1920	July 7, 1925.
Blue Hill avenue (Dorchester)	At Havelock street. Topeka (macadam base). Laid by Rowe Contracting Company.	:	42	1920	July 28, 1925.
Blue Hill avenue (Dorchester)	At Babson street. Bitulithic (macadam base). Laid by Warren Brothers Company.		133	1918	Nov. 4, 1923.
Blue Hill avenue (Dorchester)	At Walk Hill street. Mexican asphalt (macadam base). Laid by Martino DeMatteo.		981	6161	June 18, 1924.
Blue Hill avenue (Dorchester)	Bridge over Neponset river. Pine wood block. Laid by Massachusetts Public Works Department (Park).	20	133	1903	
Boardman street (East Boston)	At Saratoga street. Standard asphalt. Laid by Bermudez Company	ø	51	1918	May I, 1924.
Bolton street (South Boston)	Bridge over New York, New Haven & Hartford Railroad. Pine wood block. Laid by Central Construction Company.	64	92	1918	++
Bolton street (South Boston)	C street to D street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	501	724	1905	
Bond street (city proper)	Hansonstreet to Milford street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	182	404	1895	
Bosworth street (city proper)	At Tremont street. Pine wood block. Laid by Coleman Brothers	13	38	1915	
Bowdoin street (eity proper)	Beacon street to south side of Ashburton place. Canton block. Brick block,	380	1,013	1902	
Bowdoin street (eity proper)	North side of Ashburton place to 17 feet south of Cambridge street. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	837	2,205	1902	

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	May 9, 1924.				Nov. 17, 1924.						Aug. 31, 1926.	Aug. 15, 1923.	Ang. 15, 1922.	Nov. 15, 1922.	Oct. 16, 1925.	
	1919	1919	1909	1918	1919	1910–11 1913	1912	1901	1901	1903	1921	1918	1917	1917	1920	1915
1	3,087	7.2	1,881	3,832	25	1,438	100	735	742	722	9	8,253	2,000	40	1,437	808
	1,157		385	1,033	:	310	14	509	514	200	4	1,100	479	6		360
Topeka. Each side of tracks macadam base. Laid by city force.	24 feet west of Topliff street to 77 feet west of Mt. Ida road. Aztee asphalt (macadam base) Laidly Bermudez Commony	Topeka (macadam base at Cottage Park). Laid by city force	77 feet west of Mt. Ida road to 2 feet east of west side of Quincy street. Pine wood block. Laid by James Doherty.	2 feet cast of west side of Quincy street to 96 feet west of Winter street (east side tracks). Topeka (macadam base). Laid by city force.	At Tovar street. Aztee asphalt. Laid by McGuire & McGourty	96 feet west of Winter street to Hancock street. Mack brick block. Laid by Central Construction Company.	At Washington street. Pine wood block. Laid by William J. Barry	C street to D street. Sicilian rock asphalt. Laid by Jones & Meehan	D street to E street. Sicilian rock asphalt. Laid by Jones & Meehan	E street to F street. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	At Dorchester street. Bitulithie. Laid by Samuel J. Tomascello	Boston & Albany Railroad Bridge to Hemenway street. Back 'Bay Fens. Bitulithic (macadam base). Laid by Warren Brothers Company.	Washington street to Tremont street. Pine wood block. Laid by Warren Brothers Company.	Tremont street to 9 feet west of Tremont street. Pine wood block. Laid by Bernard E. Grant.	North side of Tremont street to Charles street. Pine wood block. Laid by James Doherty.	9 feet west of Tremont street to the West street line of Boylston place. Pine wood block. Laid by Fred S. Gore.
	Bowdoin street (Dorchester)		Bowdoin street (Dorchester)	Bowdoin street (Dorchester)	Bowdoin street (Dorchester)	Bowdoin street (Dorchester)	Bowdoin street (Dorchester)	Bowen street (South Boston)	Bowen street (South Boston)	Bowen street (South Boston)	Bowen street (South Boston)	* Boylston road (Roxbury	Boylston street (city proper)	Boylston street (city proper)	Boylston street (city proper)	Boylston street (city proper)

List of Streets Having a Smooth Pavement.—Continued.

Spreets.	Lámits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Boylston street (city proper)	Weststreetline of Boylston place to 89 feet east of Carver street. Pine wood block. Laid by United States Wood Preserving Company.	155	487	1901	
Boylston street (city proper)	89 feet east of Carver street, to Arlington street. Pine wood block. Laid by Clark & Gore.	1,134	7,923	1915	
Boylston street (city proper))	Arlington street, across Berkeley street. Pine wood block. Laid by Coleman Brothers	273	1,220	1914	
Boylston street (eity proper)	Berkeley street, across Clarendon street. Pine wood block. Laid by Coleman Brothers.	612	3,390	1914	
Boylston street (city proper)	At Huntington avenue. Bitulithic. Laid by Coleman Brothers		89	1914	
Boylston street (eity proper)	Clarendon street, aeross Dartmouth street. Pine wood bloek. Laid by Coleman Brothers.	650	3,543	1914	
Boylston street (eity proper)	Dartmouth street to east side of Exeter street. Pine wood block. Laid by Coleman Brothers.	548	3,044	1914	
Boylston street (city proper)	At Exeter street (in tracks). Pine wood block. Laid by Coleman Brothers	:	89	1914	
Boylston street (eity proper)	East side of Exeter street to 107 feet west of Exeter street. Bitulithic. Laid	144	327	1914	
	Bitulithic. Laid by Warren Brothers Company	:	06	1919	June 4, 1924.
Boylston street (city proper and Roxbury).	107 feet west of Exeter street to 8 feet east of Hereford street. Bitulithic. Laid by Warren Brothers Company.	1,501	5,481	1913	
Boylston street (Roxbury)	14 feet west of St. Ceeilia street to 90 feet cast of Massachusetts avenue. (south side). Aztec asphalt. Laid by James Doherty.	:	242	1919	Aug. 30, 1924.
Boylston street (Roxbury)	90 feet east of Massachusetts avenue to 40 feet east of Massachusetts avenue. Aztec asphalt. Laid by James Doherty.	20	165	1919	Aug. 30, 1924.
Boylston street (Roxbury)	40 feet east of Massachusetts avenue to 5 feet east of Massachusetts avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	35	140	1904	

Sieilian roek 5 17 1901	Sicilian 3 12 1901	Com-	Laid 2,700 9,996 1920 Aug. 10, 1925.	aid by 26 85 1919 Dec. 6, 1924.	aid by 51 318 1919 Dec. 6, 1924.	Grant 13 61 1921 Unfinished.	² Com- 3 9 1918 Sept. 28, 1923.	Varren 10 30 1920 July 8, 1925.	Paving 9 34 1906-07	tid by 583 1,233 1897	15 44 1920 May 5, 1926.	3 11 1913	ntraet- 43 237 1920 April 22, 1926.	nerete 16 57 1921 Aug. 9, 1926.
5 feet east of Massachusetts avenue to Massachusetts avenue. Sicilia asphalt. Laid by Boston Asphalt Company.	Massachusetts avenue to 3 feet west of Massachusetts avenue. S rock asphalt. Laid by Boston Asphalt Company.	3 feet west of Massachusetts avenue to westerly street line of Hemenway street. Bitulithie erushed stone base. Laid by Warren Brothers Company.	Easterly side Gaston square (both main and side drives) to Andubon road and on Audubon road to Agassiz road. Bitulithic (macadam base). Laid by Warren Brothers Company.	26 feet east of Amory street to Amory street. Mexican asphalt. Laid by Central Construction Company.	Amory street to 51 feet west of Amory street. Mexican asphalt. Laid by Central Construction Company.	At Centre street. Asphalt conerete (macadam base). Laid by B. E. Grant Company.	At South street. Aztee asphalt (maeadam base). Laid by Bermudez Company.	At Washington street, Bitulithie (maeadam base). Laid by Warren Brothers Company.	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Waltham street to Shawmut avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	At Centre street. Asphalt. Laid by the Bermudez Company	At Washington street. Pine wood block. Laid by William J. Barry.	At Belgrade avenue. Topeka (macadam base). Laid by Rowe Contracting Company.	Columbus avenue to 16 feet west of Columbus avenue. Asphalt concrete (macadam base). Laid by Simpson Brothers Corporation.
Boylston street (Roxbury)	Boylston street (Roxbury)	Boylston street (Roxbury)	• Boylston street (Roxbury) (Fens)	Boylston street (West Roxbury)	Boylston street (West Roxbury)	Boylston street (West Roxbury)	Boynton street (West Roxbury)	Brackett street (Brighton)	Braddock park (city proper)	Bradford street (eity proper)	Bradfield avenue (West Roxbury)	Bradlee street (Dorehester)	Bradwood street (West Roxbury)	Bragdon street (Roxbury)

List of Streets Having a Smooth Pavement.—Continued.

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Sradets.	Limits.	Length in Feet.	Area Square Yards.	Year Laid.	Guaranty Expires.	۶.
Brattle square (city proper)	7 feet north of Brattle street to 6 feet south of Elm street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	568	683	1888		
Bray street (Roxbury)	Columbus avenue to 13 feet east of Columbus avenue. Asphalt concrete (macadam base). Laid by Simpson Brothers Corporation.	13	40	1921	Aug. 9, 1	9, 1926.
Breek avenue (Brighton)	At Washington street. Bitulithie (macadam base). Laid by Warren Brothers Company.	10	38	1920	July 8, 1	8, 1925.
Bremen street (East Boston)	22 feet west of Saratoga street to Saratoga street. Aztee asphalt. Laid by Bernudez Company.	81	85	1919	May 1, 1	1, 1924.
Bremen street (East Boston)	Suratoga street to 20 feet east of Saratoga street. Aztee asphalt. Laid by Bernudez Company.	30	22	1919	May 1, 1	1, 1924.
Brent street (Dorchester)	Λt Washington street. Topeka (macadam base). Laid by Warren Brothers Company.	10	33	1918	Sept. 25, 1923.	923.
Brenton street (Dorchester)	Greenwood street to Glenway street. Bitulithic. Laid by Warren Brothers Company.	318	923	1921	July 13, 1926.	1926.
Brighton avenue (Brighton)	Street line of Commonwealth avenue to 2 feet east of Harvard avenue. Axtee asphalt (macadam base). Laid by Bernudez Company.	1,895	9,284	1917	Dec. 7, 1	7, 1922.
Brighton avenue (Brighton)	2 feet east of Harvard avenue to 1 foot west of Harvard avenue. Bitulithie. Laid by Coleman Brothers	37	230 89	1914 1914		
Brighton avenue (Brighton)	 foot west of Harvard avenue to 2 feet east of Islington street. Aztec asphalt (macadam base). Laid by Bermudez Company. 	1,243	5,982	1917	Dec. 7, 1	7, 1922.
Brighton avenue (Brighton)	At Islington street. Bitulithic (macadam base). Laid by Warren Brothers Company.		35	1919	Sept. 4, 1	4, 1924.
Brighton avenue (Brighton)	2 feet east of Islington street to Cambridge street. Aztee asphalt (macadam base). Laid by Bermudez Company. Bitulitine (macadam base). Laid by Warren Brothers Company	300	620	1917	Dec. 7, 1922 Sept. 4, 1924	7, 1922. 4, 1924

Brighton street (eity proper)	Between Leverett street and Poplar street (not including next item). Trinidad asphalt (cobble base). Laid by Barber Asphalt Paving Company.	. 599	608	1892	
Brighton street (city proper)	Between Leverett street and Chambers street. Acme asphalt. Laid by Warren Brothers Company.	:	523	1908	
Brighton street (city proper)	Poplar street to 7 feet north of Allen street. Trinidad asphalt (cobble base). Laid by Barber Asphalt Paving Company.	233	488	1892	
Brighton street (city proper)	7 fect north of Allen street to Allen street. Mexican asphalt (erushed stone base). Laid by Central Construction Company.	7	27	1917	**
Brimmer street (city proper)	Beacon street to center of Byron street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	116	322	1895	
Brimmer street (city proper)	Center of Byron street to Chestnut street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	180	536	1906	
Brimmer strect (city proper)	Chestnut street to Pinckney street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	791	2,442	1895	
Brinsley street (Dorchester	At Washington street. Pine wood block. Laid by William J. Barry	23	56	1912	
Broadway (eity proper)	Park square to Eliot street. Black gum wood block. Laid by United States Wood Preserving Company.	93	425	1907	
Broadway (city proper)	Biot street to Tremont street. Pine wood block. Laid by Coleman Brothers.	964	4,405	1913-14	
Broadway (city proper)	Bridge over Boston Elevated Railway. Fine wood block. Laid by Coleman Brothers.	55	244	1913	
Broadway (city proper)	Shawmut avenue to Washington street. Pine wood block. Laid by Coleman Brothers. Laid by city force.	408	1,346	1913	
Broadway (city proper)	Bridge over Boston & Albany Railroad. Jennison Wright wood block. Laid by Boston Bridge Works.	210	812	1919	++
Broadway (city proper)	106 feet west of Albany street to Albany street. Pine wood block. Laid by New York, New Haven & Hartford Railroad Company.	106	611	1913	
Broadway (city proper and South Boston).	Drawbridge over Fort Point channel. Pine wood block. Laid by Boston Bridge Works.	210	934	1914	

List of Streets Having a Smooth Pavement.—Continued.

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Strbets.	Limits.	Length in feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Bromfield street (city proper)	At Tremont street. Pine wood block. Laid by Coleman Brothers	12	31	1915	
Brookline avenue (Roxbury)	Beacon street to 29 feet north of Newbury street. Aztec asphalt (macadam base.) Laid by Bermudez Company.	306	1,473	1918	June 1, 1923.
Brookline avenue (Roxbury)	Bridge over Boston & Albany Railroad. Pine wood block. Laid by Michael Meehan.	87	248	1919	**
Brooks street (Brighton)	Faneuil street to 6 feet north of Hobart street. Asphalt. Laid by city forces.	1,160	3,304	1921	
Brooks street (Brighton)	Bridge over Boston & Albany Railroad (central roadway). Sicilian roek asphalt. Laid by Boston Asphalt Company.	:	130	1902	
Brooks street (East Boston)	Each side of Chelsea street. Asphalt concrete (macadam base). Laid by Coleman Brothers, Inc.	18	73	1921	July 19, 1926.
Brookside avenue (West Roxbury)	At Green street. Topeka. Laid by Central Construction Company	9	19	1919	Dec. 6, 1924.
Brookview street (Dorchester)	At Harvard street. Topeka. Laid by Rowe Contracting Company	12	47	1920	June 1, 1925.
Browning avenue (Dorchester)	Bernard street to Wales street. Bitulithic. Laid by H. J. McGuire	791	2,284	1914	
Brunswick street (Roxbury and Dor-chester).	Blue Hill avenue to Normandy street. Aztec asphalt. Laid by Central Construction Company.	638	1,849	1916	
Buckingham street (city proper)	Clarendon street to 103 feet south of Clarendon street. Asphalt. Laid by John McCourt Company.	103	435	1921	++
Buckminster street (Brighton)	Commonwealth avenue to Allston Street Playground. Topeka. Laid by Domenick Vozzella Company.	200	1,449	1919	Nov. 28, 1924.
Bunker Hill street (Charlestown)	At Tufts street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.		191	1897	
Burke street (Roxbury)	At Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Company.	56	99	1906	

3 9 1902	2 12 1913	8 32 1918 May 1, 1924.	8 86 1918 May 1, 1924.	13 $\begin{bmatrix} 44 & 1917 & 0 \text{ct. } 18, 1922. \\ 7 & 1917 & 0 \text{ct. } 18, 1922. \end{bmatrix}$	1,236 3,541 1891 any 9,1924.	716 2,967 1892	477 1,376 1897	7 35 1909	1,241 3,988 1915	4,116 11,895 1921	250 1917 Dec. 7, 1922.	305 409 1918 Dec. 24, 1923. 154 1919 May 27, 1924.	3,637 17,891 1919 Sept. 4, 1924.
At Tremont street. Bitulithic. Crushed stone base. Laid by Warren Brothers Company.	At Centre street. Bitulithic. Laid by Warren Brothers Company	8 feet south of Saratoga street to Saratoga street. Standard asphalt. Laid by Bermudez Company.	Saratoga street to 8 feet west of Saratoga street. Standard asphalt. Laid by Bernudez Company.	13 feet northeast of West Broadway to West Broadway. Aeme asphalt. Laid by Warren Brothers Company	154 feet west of Tremont street to Ruggles street. Trinidad asphalt. Laid by Barber Asphalt Paving Company. At Windsor street. Topeka. Laid by Central Construction Company	Easterly side of Ruggles street to 7 feet of east Vernon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	7 feet east of Vernon street to 7 feet north of Linden Park street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	7 feet north of Linden Park street to Linden Park street. Mack brick block. Laid by J. E. Burns & Co.	51 feet west of Carlos street to 17 feet east of Blue Hill avenue. Trinidad 1, asphalt. Laid by D. M. Biggs & Co.	West abutment bridge over Charles river to bridge over Boston & Albany Rallroad. Asphalt. Laid by eity forces.	At Brighton avenue. Aztec asphalt (macadam base). Laid by Bermudez Company.	163 feet east of North Beacon street to 65 feet west of North Beacon street. Bitulithic. Laid by Warren Brothers Company, north side.	65 feet west of North Beacon street to 231 feet west of Elko street. Bitulithic (macadam base). Laid by Warren Brothers Company.
Burney street (Roxbury)	Burroughs street (West Roxbury)	Byron street (East Boston)	Byron street (East Boston)	C street (South Boston)	Cabot street (Roxbury)	Cabot street (Roxbury)	Cabot street (Roxbury)	Cabot street (Roxbury)	Callender street (Dorchester)	Cambridge street (Brighton)	Cambridge street (Brighton)	Cambridge street (Brighton)	Cambridge street (Brighton)

List of Streets Having a Smooth Pavement.—Continued.

Spricets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Cambridge street (Brighton)	231 feet west of Elko street to Washington street. Bitulithic. Laid by Warren Brothers Company.	169	1,375	1913	
Cambridge street (Brighton)	(Brows to street car rails.) Pine wood block. Laid by Warren Brothers Company.	:	38	1913	
Cambridge street (Brighton)	At east side Imrie road. Asphalt concrete. (Macadam base.) Laid by Charles M. Callahan.		4	1921	Aug. 2, 1926.
Camden street (city proper)	Both sides of Columbus avenue (crosswalks). Bermudez asphalt. Laid by Boston Asphalt Company.	18	89	1906	
Cameron street (Dorchester)	Hancock street to 537 feet southwest of Hancock street. Aztec asphalt. Laid by McGuire & McGourty.	537	1,550	1919	Nov. 18, 1924.
Capen street (Dorchester)	At Norfolk street. Bitulithic. Laid by James Doherty	00	25	1914	
Carleton street (city proper)	At West Newton street. Bitulithic. Laid by Central Construction Company	C1	4	1917	++
Carlow street (Roxbury)	At Albany street. Mexican asphalt. Laid by Bermudez Company	_	7	1918	++
Carmel street (Roxbury)	Tremont street to Delle avenue. Bitulithic. Laid by Warren Brothers Company.	250	583	1918	April 29, 1923.
Carolina avenue (West Roxbury)	At South street. Bitulithic. Laid by Warren Brothers Company	1	8	1913	
Carver street (city proper)	Boylston street to 12 feet south of Boylston street. Pine wood block. Laid by Clark & Gore.	13	27	1915	
Carver street (city proper)	14 feet north of Broadway to Broadway. Pine wood block. Laid by Coleman Brothers.	14	63	1913	
Castlegate road (Roxbury)	Normandy street to Blue Hill avenue. Asphalt. Laid by Rowe Contracting Company.	435	1,258	1921	++
Cazenove street (city proper)	Cazenove street (city proper) Columbus avenue to 45 feet southerly; also the intersection of Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	45	134	1899	

Cazenove street (city proper)	At Chandler street. Aeme asphalt (macadam base). Laid by Warren Brothers Company Bessemer brick block gutters. Laid by Warren Brothers Company	3 {	1902	1916 1916	
Cedric street (Roxbury)	Magazine street to Langdon street. Aztec asphalt. Laid by Central Construction Company.	610	1,356	1916	
Central avenue (Hyde Park)	At River street. Topeka (macadam base). Laid by Central Construction Company.	11	34	1921	Sept. 9, 1926.
Central street (city proper)	8 feet west of Broad street to 21 feet east of Kilby street. Aome asphalt. Laid by Warren Brothers Company.	287	824	1911	
Central street (city proper)	21 feet east of Kilby street to 7 feet east of Kilby street. Aztec asphalt. Laid by James Doherty.	14	40	1919	**
Central street (city proper)	7 feet east of Kilby street to Kilby street. Pine wood block. Laid by James Doberty.	1-	21	1919	Oct. 10, 1924.
Centre street (Dorchester)	70 feet east of Washington street to Washington street. Pine wood block. Laid by William J. Barry.	20	255	1913	
Centre street (Roxbury)	28 feet west of Parker street across Forbes street. Asphalt concrete (macadam base). Laid by B. E. Grant Company.	1,774	2,965	1921	Unfinished.
Centre street (Roxbury and West Rox-	Forbes street to	:	629	1920	Dec. 22, 1925.
bury).	adam base). Land by Central Construction Company; North side. Asphalt concrete (macadam base). Laid by B. E Grant Company.	507	1,447	1921	Unfinished.
Centre street (West Roxbury)	264 feet east of Barbara street to 6 feet east of Boylston street. Topeka (nacadam base). Laid by Central Construction Company.	884	2,685	1920	Dec. 22, 1925.
Centre street (West Roxbury)	6 feet east of Boylston street to 15 feet west of Boylston street. Asphalt concrete (macadam base). Laid by B. E. Grant Company.	53	133	1921	Unfinished.
Centre street (West Roxbury)	15 feet west of Boylston street to 27 feet west of Lockstead avenue. Asphalt concrete. Laid by B. E. Grant Company.	848	2,478	1921	Unfinished.
Centre street (West Roxbury) (west side).	27 feet west of Lockstead avenue to 104 feet west of Lockstead avenue. Asphalt concrete. Laid by B. E. Grant Company.	77	113	1921	Unfinished.
Centre street (West Roxbury) (near Pond street).	Southerly car tracks. Concrete pavement. Maintained by Boston Elevated Railway Company.		151	1921	

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Centre street (West Roxbury)	At Green street. Topeka (macadam base). Laid by Central Construction Company.		96	1921	June 3, 1926.
Centre street (West Roxbury)	Green street to 14 feet west of Eliot street. Bitalithic. Laid by Warren Brothers Company. Pine wood block. (Brows to street car rails.) Laid by Warren Brothers. Company.	1,366	5,248	1913 1913	
Centre street (West Roxbury)	14 feet west of Eliot street to 23 feet west of Allandale street. Topeka (macadam base). Laid by Rowe Contracting Company.	5,535	23,068	1919	Aug. 12, 1924.
Centre street (West Roxbury)	23 feet south of Allandale street to 106 feet east of Church street. Asphalt (macadam base). Laid by the Bermudez Company.	6,498 { 16,602	16,602 324	1920 1921	May 5, 1926. May 5, 1926.
Centre street (West Roxbury)	106 feet cast of Church street to 64 feet east of Manthorne road. Topeka. Laid by Rowe Contracting Company.	1,464	828'6	1920	Aug. 26, 1926.
Centre street (West Roxbury)	64 feet east of Manthorne road to 58 feet south of Spring street. Topeka. Laid by Rowe Contracting Company.	4,869	23,938	1921	Aug. 26, 1926.
Centre street (West Roxbury)	58 feet south of Spring street to 151 feet south of Spring street. Topeka (macadam base). Laid by Rowe Contracting Company.	Topeka	06	1921	Aug. 26, 1926.
Centervale park (Dorchester)	Bourneside street to Upland avenue. Aztec asphalt. Laid by Central Construction Company.	515	2,219	1916	
Chambers street (city proper)	Green street, across Poplar street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	460	1,022	1902	
Chambers street (city proper)	Brighton street to 6 feet west of Auburn street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	152	337	1895	
Chambers street (city proper)	6 feet west of Auburn street to 8 feet east of Charles street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	112	249	1895	
Champney street (Brighton)	Champney street (Brighton) At Justin road. Mexican asphalt. Laid by Central Construction Company.	7	29	1919	April 29, 1924.

Chandler street (city proper)	Arlington square to 11 feet west of Arlington square. Topeka. Laid by Rowe Contracting Company.	11	22	1919	Мау 30,1924.
Chandler street (city proper)	9 feet west of Arlington square to 3 feet east of Berkeley street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	502	2,212	1912	
Chander street (city proper)	3 feet east of Berkeley street to Berkeley street. Bitulithic. Laid by Warren Brothers Company.	က	13	1906	
Chandler street (city proper)	Berkeley street to 3 feet west of Berkeley street. Bitulithic. Laid by Warren Brothers Company.	ಣ	17	1906	
Chandler street (eity proper)	3 feet west of Berkeley street to 2 feet east of Clarendon street. Aeme asphalt (macadam base). Laid by Warren Brothers Company	} 266 {	2,211 296	1916 1916	
Chandler street (eity proper)	2 feet east of Clarendon street to Clarendon street. Bitulithie. Laid by Warren Brothers Company.	61	∞	1914	
Chandler street (city proper)	Clarendon street to 6 feet east of Columbus avenue. Acme asphalt (maeadam base). Laid by Warren Brothers Company) Bessemer brick block gutters. Laid by Warren Brothers Company	} 248 {	2,155 290	1916 1916	
Chandler street (city proper)	9 feet east of Columbus avenue to Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	6	44	1906	
Chardon court (eity proper)	Chardon street to 134 feet east of Chardon street. Asphalt	134	330		
Charles street (city proper)	S feet south of Beacon street to Short Side road. Pine wood block. Laid by B. E. Grant Company.	1,837	6,515	1921	Nov. 19, 1926.
Charles street (city proper)	At Boylston street. Pine wood block. Laid by Clark & Gore		14	1915	
Charles street (city proper)	7 feet south of Fruit street to 10 feet north of Allen street. Pine wood block. Laid by John McCourt Company.	730	3,253	1920	Aug. 20, 1925.
Charles street (Dorchester)	East street line of Ditson street to Geneva avenue. Concrete road. Laid by city forces.	494	1,327	1916	
Charles street (Dorchester)	At Geneva avenue. Topeka (macadam). Laid by department forces	H	6	1920	
• Charlesgate East (Roxbury)	Bencon street to Commonwealth avenue. Bitulithic (macadam base). Laid by Warren Brothers Company.	333	1,039	1918	Aug. 15, 1923.

List of Streets Having a Smooth Pavement.—Continued.

Spreeffs.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
* Charlesgate East (Roxbury)	Commonwealth avenue to Boston & Albany Railroad. Bitulithic (macadam base). Laid by Warren Brothers Company:	341	972	1918	Aug. 15, 1923.
Charlesgate West (Roxbury)	Bencon street to Commonwealth avenue, Back Bay Fens. Bitulithic (macadam base). Laid by Warren Brothers Company.	205	689	8161	Aug. 15, 1923.
* Charlesgate West (Roxbury)	Commonwealth avenue to Boston & Albany Railroad Bridge, Back Bay Fens. Bitulithic (macadam base). Laid by Warren Brothers Company.	350	1,340	1918	Aug. 15, 1923.
* Charlesgate West (Roxbury)	(Easterly branch) Commonwealth avenue to 172 feet southwest, near Newbury street. Bitulithie (macadam base). Laid by Warren Brothers Company.	172	209	1918	Aug. 15, 1923.
Charter street (eity proper)	Hanover street to 14 feet west of Hanover street. Sicilian rock asphalt, Laid by Boston Asphalt Company.	14	20	1896	
Charter street (eity proper)	14 feet west of Hanover street, across Unity street. Trinidad asphalt (cobble base). Laid by Barber Asphalt Paving Company.	306	615	1894	
Chase street (Dorchester)	East Cottage street to Willis street. Trinidad asphalt. Laid by Central Construction Company.	307	856	1915	
Chauncy street (city proper)	Summer street to 6 feet south of Summer street. Pine wood block. Laid by Northern Construction Company.	9	53	1915	++
Chelsea Bridge North (Charlestown)	South side draw to Chelsea line. Jennison Wright pine. Wood block. Laid by Standard Engineering Company, Inc., Toledo, Ohio.	319	1,418	1919	
Chelsea street (East Boston)	Maverick street to 8 feet north of Gove street. Asphalt concrete. Laid by Coleman Brothers, Inc.	621	3,456	1921	July 19, 1926.
Chelsea street (East Boston)	8 feet north of Gove street across Prescott street. Asphalt concrete (macadam base). Laid by Coleman Brothers, Inc.	3,342	18,581	1921	July 19, 1926.
Chelsea street (East Boston)	75 feet north of Bennington street to 165 feet north of Saratoga street. Aztee 604 asphalt (macadam base). Laid by Bermudez Company. Aztee asphalt (at Saratoga street). Laid by Bermudez Company	€004	1,540	1919	May 1, 1924. May 1, 1924.

				1 01	BLIC	VV	OK	K	DEI	Αŀ	CTMI	ENT	Ľ.			31
June 28, 1926.			June 3, 1926.	May 21, 1923.	Dec. 7, 1922.	Dec. 7, 1922.	June 3, 1926.		Nov. 19, 1926		May 21, 1923.	Oct. 14, 1926.	Oct. 14, 1926.	Oct. 14, 1926.		
1921	1892	1898	1921	1917	1917	1917	1921	1915	1921	1913	1918	1921	1921	1921	1913	1915
18	267	14	17	20	22	22	15	က	35	20	587	2,109	1,968	463	11	92
7	319	œ	7	20	10	10	9	н	10	7	06	805	#	110	က	19
At Pontiac street. Asphalt concrete. Laid by John McCourt Company	7 feet west of Washington street to 8 feet cast of Shawmut avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	8 feet east of Shawmut avenue to Shawmut avenue. Sieilian rock asphalt. Luid by Boston Asphalt Company.	At Green street. Topeka. Laid by Central Construction Company	Commonwealth avenue to 20 feet north of Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	10 feet south of Brighton avenue to Brighton avenue. Aztee asphalt (maeadam base). Laid by Bermudez Company.	Brighton avenue to 10 feet north of Brighton avenue. Aztee asphalt (masadam base). Laid by Bernudez Company.	At Green street. Topeka. Laid by Central Construction Company	At Brimmer street. Trinidad asphalt. Laid by Central Construction Company.	Charles street to 10 feet west of Charles street. Pine wood block. Laid by B. E. Grant Company.	At Washington street. Bitulithic. Laid by Warren Brothers Company	Intersection of north roadway, Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	44 feet north of south side of Commonwealth avenue to Beacon street at Cleveland circle (west side). Asphalt concrete. Laid by John J. Lane.	(East side). Asphalt concrete (macadam base). Laid by John J. Lane	Beacon street at Cleveland circle to Brookline line. Asphalt concrete. Laid by John J. Lane.	At South street. Bitulithie. Laid by Warren Brothers Company	At Commonwealth avenue. Pine wood block. Laid by Clark & Gore
Cherokee street (Roxbury)	Cherry street (city proper)	Cherry street (eity proper)	Cheshire street (West Roxbury)	Chester street (Brighton)	Chester street (Brighton)	Chester street (Brighton)	Chestnut avenue (West Roxbury)	Chestnut street (eity proper)	Chestnut street (eity proper)	Chestnut Hill avenue (Brighton)	Chestnut Hill avenue (Brighton)	Chestnut Hill avenue (Brighton)		Chestnut Hill avenue (Brighton)	Child street (West Roxbury)	Chilmark street (Brighton)

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Chilton road (West Roxbury)	Weld street to 407 feet northwest of Weld street. Asphalt. Laid by John T. Shee, Ir	407	1,223	1921	Nov. 26, 1926.
Chipman street (Dorchester)	At Norfolk street. Bithulithic. Laid by James Doherty	H	4	1913	
Chiswick road (Brighton)	At Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	46	170	1918	May 21, 1923.
Church street (city proper)	Boylston street to 55 feet south of Boylston street. Pine wood block. Laid by Clark & Gore.	55	193	1915	
Church street (city proper)	55 feet south of Boylston street to 10 feet north of Providence street. Pine wood block. Laid by Coleman Brothers.	100	292	1913	
Church street (city proper)	6 feet south of Fayette street to 6 feet north of Melrose street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	174	518	1161	
Church street (West Roxbury)	Centre street to 10 feet north of Centre street. Topeka (macadam base). Laid by Rowe Contracting Company.	10	33	1920	Aug. 26, 1926.
Church street (West Roxbury)	10 feet north of Centre street to 46 feet north of Centre street. Topeka (macadam base). Laid by Rowe Contracting Company.	36	106	1920	Aug. 26, 1926.
Claremont park (city proper)	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	6	34	1906	
Clarendon street (city proper)	Tremont street to 11 feet north of Tremont street. Asphalt. Laid by B. E.	:	8	1920	Sept. 18, 1925.
	Unionite. Laid by B. E. Grant Company	11	47	1920	Sept. 18, 1925.
Clarendon street (eity proper)	11 feet north of Tremont street to 4 feet south of Warren avenue. Bitulithic. Laid by Warren Brothers Company.	320	1,422	1914	
Clarendon street (city proper)	Each side of Warren avenue. Pine wood block. Laid by Boston Paving Company.	∞	40	1913	

			1	UBI	210	W O.	can	DE	PART	TVI E. I	NT.			32
		++					June 4, 1924.						Nov. 4, 1923.	
1914	1906	1921	1914	1914	1914	1905	1919	1905	1916	1905	1896	1892	1918	1915
3,806	24	317	09	26	101	839	467	816	730	2,260	35	266	25	2,654
855	ū	64	15	14	33	202	116	203	200	565	18	293	∞	914
Clarendon street (city proper) 4 feet north of Warren avenue to 5 feet south of Columbus avenue. Bitu-	5 feet south of Columbus avenue to Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Columbus avenue to New York, New Haven & Hartford Ruilroad Bridge. Asphalt. Laid by John McCourt Company.	15 feet south of Boylston street to Boylston street. Pine wood block. Laid by Coleman Brothers.	Boylston street to 14 feet north of Boylston street. Pine wood block. Laid by Coleman Brothers.	14 feet north of Boylston street to 46 feet north of Boylston street. Bitulithie. Laid by Coleman Brothers.	46 feet north of Boylston street to 19 feet south of Newbury street. Bitulithie (crushed stone base). Laid by Warren Brothers Company.	19 feet south of Newbury street to 61 feet north of Newbury street. Bitulitie (macadam base). Laid by Warren Brothers Company.	61 feet north of Newbury street to south street line of Commonwealth avenue. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	South street line of Commonwealth avenue to north street line of Commonwealth avenue. Bitulithic (macadam base). Laid by Warren Brothers Company.	North street line of Commonwealth avenue to Beacon street. Bitulithic. Laid by Warren Brothers Company.	Hanover street to 18 feet east of Hanover street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	18 feet cast of Hanover street to 8 feet west of North street. Trinidad asphalt (cobble base). Laid by Barber Asphalt Paving Company.	At Norfolk street. Bitulithic. Laid by Warren Brothers Company	187 feet south of Dakota street to Park street. Bitulithic. Laid by James Doberty.
Clarendon street (eity proper)	Clarendon street (eity proper)	Clarendon street (eity proper)	Clarendon street (city proper)	Clarendon street (city proper)	Clarendon street (city proper)	Clarendon street (city proper)	Clarendon street (eity proper)	Clarendon street (eity proper)	Clarendon street (city proper)	Clarendon street (eity proper)	Clark street (city proper)	Clark street (city proper)	Clarkwood street (Dorchester)	Claybourne street (Dorchester)

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Dimits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Cleveland place (city proper)	Margaret street to 192 feet northwest of Margaret street. Concrete (artificial stone). Laid by V. Grande.	192	293	1918	May 29, 1923.
Cobb street (eity proper)	9 feet west of Washington street to 9 feet east of Shawmut avenue. Siellian rock asphalt. Laid by Boston Asphalt Company.	329	586	1897	
Cobb street (city proper)	9 feet east of Shawmut avenue to Shawmut avenue. Siellian rock asphalt. Laid by Boston Asphalt Company.	G	27	1898	
Collins street (Hyde Park)	At IIvde Park avenue. Topeka. Laid by Martino De Matteo Topeka (macadam base). Laid by Martino De Matteo.		153	1921 1921	May 12, 1926. May 12, 1926.
Colonial avenue (Dorchester)	At Talbot avenue. Brick block. Laid by James Doherty	16	15	1911	
Columbia street (South Boston)	At Hamlin street. Topeka (macadam base). Laid by John T. Shea, Jr		51	1920	Sept. 28, 1925.
† Columbia road (Dorchester)	Bridge over New York, New Haven & Hartford Railroad. Metropolitan brick.	163	362	1903	
† Columbia road (Dorchester)	Bridge over Shoreham street. Metropolitan brick	59	131	1902	
* Columbia road (Dorchester)	Edward Everett square to Stoughton street (east roadway). Bitulithic (macadam base). Laid by Warren Brothers Company.	1,416	4,444	1915	
Columbia road (Dorchester)	83 feet south of Dudley street across Davenport avenue. Topeka (Telford macadam base). Laid by city force.	572	2,164	1919	
Columbia road (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.		210	1911	
	Mack brick block. Laid by city force	:	152	1918	
* Columbia road (Dorchester)	Hancock street to Blue Hill avenue (east roadway). Bitulithic (macadam base). Laid by Warren Brothers Company.	7,015	22,135	1915	
Columbia road (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	20	89	1912	

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1921 Aug. 13, 1926.					++		Aug. 9, 1926.	Aug. 9, 1926.	Sept. 17, 1922.						
1921	1904	1906		1906-07	1921	1906-07	1921	1921	1917	1906	1912	1916	1916	1916	
140	3,570	149		15,565	177	15,579	111,260	4,870	45	94	1,774	4,718	4,340	4,015	
Ŧ	912	:		4,083		3,846	2,811	1,218	4	6	235	631	5.0	575	
Columbia road (Dorchester)	. 134 feet south of Arlington street to Boston & Albany Railroad Bridge. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Bridge over New York, New Haven & Hartford Railroad (in street car tracks). Metropolitan brick block. Laid by Boston Elevated Railway Company.	See Cazenove street.	. Boston & Albany Railroad Bridge to northerly side of Canden street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	At Clarendon street. Asphalt. Laid by John McCourt Company	Northerly side of Camden street to 67 feet north of Station street. Bernudez asphalt. Laid by Boston Asphalt Company.	84 feet south of Centre street to 14 feet north of Washington street. Asphalt concrete (Telford macadam base). Laid by Simpson Brothers Corporation.	. Washington street to 7 feet north of Wahut avenue. Asphalt concrete (Telford macadam base). Laid by Simpson Brothers Corporation.	7 feet north of Walnut avenue to Walnut avenue. Aeme asphalt (macadam base). Laid by Warren Brothers Company.	Columbus avenue to 9 feet east of Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	. 9 feet east of Columbus avenue to 4 feet east of Pembroke street. Bitulithic. Laid by Fred S. & A. D. Gore Corporation.	(city proper), Arlington street to Berkeley street. Bitulithic (macadam base). Laid by Warren Brothers Company.	Berkeley street to Charendon street. Bitulithic (macadam base). Laid by Warren Brothers Company.	Clarendon street to Dartmouth street. Bitulithic (macadam base). Laid by Warren Brothers Company.	
Columbia road (Dorchester)	Columbus avenue (city proper)	Columbus avenue (city proper)	Columbus avenue (eity proper)	Columbus avenue (city proper)	Columbus avenue (city proper)	Columbus avenue (city proper and Roxbury).	Columbus avenue (Roxbury)	Columbus avenue (Roxbury)	Columbus avenue (Roxbury)	Columbus square (city proper)	Columbus square (city proper)	† Commonwealth avenue (city proper),	† Commonwealth avenue (city proper),	† Commonwealth avenue (city proper),	

List of Streets Having a Smooth Pavement.—Continued.

Srueers.	Limits.	Length in Feet.	Area, Square Vards	Year Laid.	Guaranty Expires.
† Commonwealth avenue (city proper),	Dartmouth street to Exeter street. Bitulithic (macadam base). Laid by Warren Brothers Company.	555	3,857	1916	
† Commonwealth avenue (city proper),	Exeter street to Massachusetts avenue. Bitulithic (macadam base). Laid by Warren Brothers Company.	2,320	17,634	1916	
† Commonwealth avenue (Roxbury)	Massachusetts avenue, across Charlesgate West. Bitulithic (macadam base). Laid by Warren Brothers Company.	1,107	8,340	1918	Nov. 1, 1923.
† Commonwealth avenue (Roxbury)	Charlesgate West to street line of Beacon street. Bitulithic (macadam base). Laid by Warren Brothers Company. Asphalt block gutters. Laid by Warren Brothers Company. Aztee asphalt (macadam base). Laid by Bermudez Company.	806 {	7,443 693 533) 1916 1918	June 1, 1923.
† Commonwealth avenue (Roxbury and	_ 	3,802	19,592	1915	
Brighton).	Laid by Clark & Gore. (South roadway.) Mexican asphalt (macadam base). Laid by Central Construction Company.	:	12,811	1917	May 21, 1923.
† Commonwealth avenue (Brighton)	Cottage Farm Bridge over Boston & Albany Railroad. Sicilian rock asphalt. Laid by Boston Asphalt Company.	140	1,556	1896	
† Commonwealth avenue (Brighton)	Cottage Farm Bridge, across Brighton avenue (not including next two items), Mexican asphalt (macadam base). Laid by Central Construction Company.	3,591	26,243	1917-18	May 21, 1923.
† Commonwealth avenue (Brighton)	At Babcock street. Topeka. Laid by Rowe Contracting Company	:	15	1920	Dec. 6, 1925.
† Commonwealth avenue (Brighton)	(South roadway.) Il feet west of Winslow road to 210 feet west of Naples road. Endurite (macedam base). Laid by Warren Brothers Company.	: : :	1,577	1912	
† Commonwealth avenue (Brighton)	Brighton avenue to Harvard avenue (side roads). Mexican asphalt (macadam base). Laid by Central Construction Company.	35	9,258	1917-18	May 21, 1923.
† Commonwealth avenue (Brighton)	† Commonwealth avenue (Brighton) At Fuller street. Asphalt (macadam base). Laid by the Bermudez Com-pany.	<u>:</u>	63	1920	

+ Commonwealth avenue (Brighton) At Chestruction Company At Chestruction Company At Chestruction Company At Chestruction Company At Commonwealth avenue (Brighton) At Chestruction Company Bast street line Kinross road to east street line Chestruction Company At Commonwealth avenue (Brighton) At Chestruction Company Bast street line Kinross road to east street line Chestruction Company At Commonwealth avenue (Brighton) Nextensus asphalt (macadam base). Laid by Central Construction Company At Commonwealth avenue (Brighton) Mexican asphalt (macadam base). Laid by Central Construction Company At Tremont street line Chestruction Company Is at a by Rowe Contracting Company Is a short Company At Tremont street. Topeka. Laid by Rowe Contracting Company Is a short Company At Tremont street. Topeka. Laid by Rowe Contracting Company Is a short Company Is a short Company It is a short Company
At Buckminster street. Topeka. Laid by Domenick Vozzella Company
West curb line of Allston street to the north street line of Warren street (side roads). Mexican asphalt (macadam base). Laid by Central Construction Company. At Chestrut Hill avenue. Asphalt concrete (macadam base). Laid by 123 1921 1921 Asphalt concrete. Laid by John J. Lane
At Chestnut Hill avenue. Asphalt concrete (macadam base). Laid by 123 1921 John J. Lane. Asphalt concrete. Laid by John J. Lane. Asphalt concrete. Laid by John J. Lane. (Northerly roadway.) East street line Kinross road to east street line Chest. Int Hill avenue. Mexican asphalt (macadam base). Laid by Central Construction Compuny. Westerly street line Chestnut Hill avenue to Newton line (north road). Mexican asphalt (macadam base). Laid by Central Construction Compuny. At Tremont street. Topeka. Laid by Rowe Contracting Company 13 38 1919
Asphalt concrete. Laid by John J. Lane
(Northerly roadway.) East street line Kinross road to east street line Chest- nut Hill avenue. Mexican asphalt (naucadam base). Laid by Central Construction Company. Westerly street line Chestnut Hill avenue to Newton line (north road). Mexican asphalt (naeadam base). Laid by Central Construction Company. At Tremont street. Topeka. Laid by Rowe Contracting Company 13 38 1919
Westerly street line Chestnut Hill avenue to Newton line (north road) 8,122 Mexican asphalt (maeadam base). Laid by Central Construction Company. At Tremont street. Topeka. Laid by Rowe Contracting Company 13 38
13 38 1919
Parker street to Huntington avenue. Aztee asphalt (macadam base). Laid 1,556 3,625 1919 Nov. 1, 1924. by Bernudez Company.
At Tremont street. Asphalt. Laid by B. E. Grant Company
At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving 9 41 1906 Company.
Congress street to 8 feet west of Congress street. Pine wood block. Laid S 12 1921 Nov. 19, 1926. by Coleman Brothers, Inc.
S feet west of Congress street, across Congress square. Trinidad asphalt. 201 388 1900 Laid by Barber Asphalt Paving Company.
10 feet west of Congress street to Congress street. Pine wood block. Laid 10 18 1921 Nov. 19, 1926 by Coleman Brothers, Inc.
State street to Post Office square. Pine wood block. Laid by Coleman 466 1,126 1921 Nov. 19, 1926. Brothers, Inc.

List of Streets Having a Smooth Pavement.—Continued.

Serbers.	Limits.	Length in Feet.	Area, Square Yards,	Year Laid.	Guaranty Expires.
Congress street (city proper)	Milk street to 9 feet south of Milk street. Pine wood block. Laid by Coleman Reachers Inc.	6	48	1921	Nov. 19, 1926.
Congreve street (West Roxbury)	At Centre street. Asphalt (macadam base). Laid by the Bermudez Company.	19	52	1920	May 5, 1926.
Cooper street (eity proper)	North Margin street to east side of Endicott street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	163	504	1887	
Cooper street (city proper)	East side of Endicott street to 10 feet east of Washington Street North. Mexican aspladt. Laid by Central Construction Company.	231	089	1917	
Corbet street (Dorehester)	At Norfolk street. Bitulithic. Laid by James Dohorty	46	184	1914	
Corey street (Charlestown)	124 feet north of Moulton street to Moulton street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	124	586	1897	
Corey street (West Roxbury)	40 feet south of Centre street to 25 feet south of Centre street. Topeka (macadam base). Laid by Rowe Contracting Company.	15	36	1921	Aug. 26, 1926.
Corey street (West Roxbury)	25 feet south of Centre street to Centre street. Topeka. Laid by Rowe Contracting Company.	55	16	1921	Aug. 26, 1926.
Corey street (West Roxbury)	Centre street to 10 feet north of Centre street. Topeka. Laid by Rowe Contracting Company.	10	31	1921	Aug. 26, 1926.
Cornhill court (eity proper)	At Washington street. Pine wood block. Laid by James Doherty	6	ø	1908	
Corning street (eity proper)	Washington street to 8 feet east of Shawmut avenue. Aeme asphalt. Laid by Warren Brothers Company.	329	200	1908	
Corona street (Dorchester)	At Geneva avenue and Bowdoin street. Mack brick. Laid by Central Construction Company.	10	27	1911	
Corona street (Dorehester)	At Geneva avenue. Topeka (macadam base). Laid by department forees,	-	8	1920	

Aug. 8, 1922.	1917	2,212	903	114 feet west of Corey road to Commonwealth avenue. Mexican asphalt. Laid by Central Construction Company.	Cummings road (Brighton)
	1896	17	7	At Huntington avenue. Sieilian rock asphalt. Laid by Boston Asphalt Company.	Cumberland street (city proper)
Unfinished.	1921	56	14	At Centre street. Asphalt concrete (macadam base). Laid by B. E. Grant Company.	Creighton street (Roxbury)
	1904	346	140	(West road) 148 feet south of Court street to 8 feet south of Court street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Court square (city proper)
	1914	305	118	(West road) 266 feet south of Court street to 148 feet south of Court street. Aeme asphalt. Laid by Barber Asphalt Paving Company.	Court square (eity proper)
	1913	65	255	(West road) 291 feet south of Court street to 266 feet south of Court street. Acme asphalt. Laid by Warren Brothers Company.	Court square (city proper)
	1913	181	74	(South road) East road. Court square to West road, Court square. Acme asphalt. Laid by Warren Brothers Company.	Court square (city proper)
	1913	118	37	(East road) 20 feet north of Williams court. Acme asphalt. Laid by Warren Brothers Company.	Court square (city proper)
	1914	735	236	(East road) 35 feet south of Court street to 20 feet north of Williams court. Aeme asphalt. Laid by Warren Brothers Company.	Court square (city proper)
++	1920	62	35	(Bast road) Court street to 35 feet south of Court street. Asphalt. Laid by the Bernudez Company.	Court square (city proper)
++	1920	810	563	9 feet west of Washington street to 5 feet cust of Court square west. Asphalf. Laid by the Bernudez Company.	Court street (city proper)
	1908	27	6	Washington street to 9 feet west of Washington street. Pine wood block. Laid by James Doberty.	Court street (city proper)
	1910	œ	4	At Washington street. Mack brick block	Court avenue (eity proper)
	1911	50	œ	At Arlington street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	Cortes street (city proper)
1919 Dec. 6, 1924.	1919	8	١٠	Cornwall street (West Roxbury) At Amory street. Mexican asphalt (macadam base). Laid by Central Construction Company.	street (West Roxbury)

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Cummington street (Roxbury)	Boston & Albany Railroad to 21 feet east of Commonwealth avenue. Topeka. Laid by Rowe Contracting Company.	272	1,025	1921	May 6, 1926.
Cummington strect (Roxbury)	21 feet east of Commonwealth avenue to Commonwealth avenue. Mexican asphalt (mayadam base). Laid by Central Construction Company.	21	11	1917	May 21, 1923.
Cunard street (Roxbury)	At Columbus avenue. Bernudez asphalt. Laid by Boston Asphalt Company.	16	09	1906	
Curtis street (East Boston)	Each side Saratoga street. Aztec asphalt. Laid by Bernudez Company.	16	7.1	1919	May 1, 1924.
Curtis street (East Boston)	Bridge over Boston & Albany Railroad. Trinidad asphalt. Laid by E. R. Taylor Company.	41	139	1906	
Cushing avenue (Dorchester)	At Columbia road. Topeka (macadam base). Laid by city force	7	40	1918	
Cushman road (Brighton)	Dustin street to Murdock street. Asphalt. Laid by John J. Lane	252	728	1921	May 2, 1926.
Cushman road (Brighton)	Murdock street to Etna street. Asphalt. Laid by John J. Lane	334	971	1920	May 2, 1926.
Cushman road (Brighton)	Etna street to 6 feet cast of Glencoe street. Asphalt. Laid by John J. Lane,	308	868	1920	May 2, 1926.
Cushman road (Brighton)	6 feet east of Glencoo street to Glencoe street. Mexican asphalt. Laid by Central Construction Company.	9	15	1917	Aug. 2, 1922.
Custer street (West Roxbury)	At South street. Bitulithic. Laid by Warren Brothers Company	1	88	1913	
Custom House street (city proper)	At India street. Mexican asphalt. Laid by Central Construction Company.	C1	10	1917	++
D street (South Boston)	8 feet north of West Fifth street to 2 feet north of Gold street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	134	200	1889	
D street (South Boston)	14 feet southwest of West Broadway to West Broadway. Acme asphalt. Laid by Warren Brothers Company	{ 14 }	46 8	1917 1917	Oct. 18, 1922. Oct. 18, 1922.

	1912 1914 1901	10 473 67	89 .	. 83 feet south of Boylston street to 15 feet south of Boylston street. Aeme asphalt. Laid by Warren Brothers Company. Bitulithie. Laid by Coleman Brothers. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Dartmouth street (city proper)
	1914 1912 1901	134 496 504	151	Il Inntington avenue to S3 feet south of Boylston street. Britilithe. Laid by Coleman Brothers. Acme asphalt. Laid by Warren Brothers Company. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Dartmouth street (city proper)
	1912	1,776	386	. 3 feet south of Stuart street to Huntington avenue. Bitulithic. Laid by James Doberty.	Dartmouth street (city proper)
	1901	117	118	Metropolitian briek bloek (in street car tracks). Laid by Boston Elevated Railway Company.	
	1913	397		Bridge over New York, New Haven & Harfford Railroad. Pine wood block. Laid by New York, New Haven & Harfford Railroad Commun.	Dartmouth street (city proper)
	1906	16		At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Dartmouth street (city proper)
	1913	30	œ	. Each side of Warren avenue. Pine wood block. Laid by Boston Paving Company.	Dartmouth street (city proper)
Sept. 18, 1925.	1920	12	4	At Tremont street. Asphalt. Laid by B. E. Grant Company	Dartmouth street (city proper)
	1915	1,706	589	6 feet west of Holbrook street to Orchard street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	Dane street (West Roxbury)
	1910	1,650	571	Dorchester avenue to 5 feet west of Ames street. Mack brick block. Laid by Central Construction Company.	Dannell street (South Boston)
	1920	4	1	At Geneva avenue. Topeka (macadam base). Laid by department forces,	Dakota street (Dorchester)
	1913	14	က	At Washington street. Pine wood block. Laid by William J. Barry	Dakota street (Dorchester)
	1906	850	294	. 2 feet north of Woodeliff street to 3 feet south of Dove street. Bitulithic. Laid by Warren Brothers Company.	Dacia strect (Roxbury)
		174	27	At railroad crossing between Claffin street and Fargo street. Brick	D street (South Boston)
Oct. 18, 1922. Oct. 18, 1922.	1917 1917	48 8	} 13 {	West Broadway to 13 feet northeast of West Broadway. Aeme asphalt. Laid by Warren Brothers Company. Bessener brick block gutters. Laid by Warren Brothers Company	D street (South Boston)

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Dartmouth street (city proper)	15 feet south of Boylston street to Boylston street. Pine wood block. Laid by Coleman Brothers.	15	128	1914	
Dartmouth street (eity proper)	Boylston street to 15 feet north of Boylston street. Pine wood block. Laid by Coleman Brothers.	15	117	1914	
Dartmouth street (eity proper)	15 feet north of Boylston street to north street line Public Alleys Nos. 349 and 440. Bitulithic. Laid by Coleman Brothers.	129	890	1914	
Dartmouth street (rity proper)	North street line Public Albeys Nos. 439 and 440 to 4 feet south of Newbury street. Bitulithic. Laid by Warren Brothers Company.	120	938	1914	
Dartmouth street (city proper)	4 feet south of Newbury street to 9 feet south of south street line of Com- posted th areas Broutener, Bitulithie (crushed stone base). Laid by Warren Brotheas Commun.	296	2,228	1903	
	Bitulithic at Newbury street. Laid by Warren Brothers Company		22	1919	June 4, 1924.
Dartmouth street (city proper)	9 feet south of south street line of Commonwealth avenue to 10 feet north of north street line of Commonwealth avenue. Bitulithic (macadam base). Laid by Warren Brothers Company.	219	1,636	1916	
Dartmouth street (city proper)	10 feet north of north street line of Commonwealth avenue to Beacon street. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	554	4,329	1903	
Davenport street (Roxbury)	At Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Conpany.	52	99	1906-07	
Davis street (city proper)	11 feet east of Washington street to 26 feet west of Harrison avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	386	570	1892	
Davis street (city proper)	26 feet west of Harrison avenue to Harrison avenue. Agtee asphalt. Laid by Bernudez Company.	36	54	1918	**
Day street (Roxbury)	At Heath street. Mack brick block. Laid by Field, Barber & Underwood, Inc.	5	36	1910	

Day street (Roxbury)	50 feet north of Centre street to Centre street. Asphalt concrete (macadam) base). Laid by B. E. Grant Company.	50	179	1921	Unfinished.
Dearborn place (Roxbury)	At Dearborn street. Acme asphalt. Laid by Warren Brothers Company	5	oo	1916	Nov. 20, 1922.
Dearborn street (Roxbury)	Albany street to 56 feet south of Albany street. Mexican asphalt. Laid by Bernudez Company.	26	212	1918	**
Dearborn street (Roxbury)	50 feet south of Albany street to 27 feet north of Dudley street. Aeme asphalt. Laid by Warren Brothers Company	} 497 {	1,233 220	1916-17 1916-17	Nov. 20, 1922. Nov. 20, 1922.
Dearborn street (Roxbury)	$27\mathrm{feet}$ north of Dudley street to Dudley street. Mack brick block. Laid by James Doberty.	27	176	1910	
Decatur street (city proper)	9 feet east of Washington street to 34 feet west of Harrison avenue. Sicilian rock aspladt. Laid by Boston Asphalt Company.	329	718	1892	
Decatur street (city proper)	34 feet west of Harrison avenue to Harrison avenue. Aztec asphalt. Laid by Bernudez Company.	34	49	1918	++
Deer street (Dorchester)	North street line Melvinside terrace to Roach street. Mexican asphalt. Laid by Central Construction Company.	540	1,203	1919	Aug. 22, 1924.
Deerfield street (Roxbury)	Commonwealth avenue to 18 feet north of Commonwealth avenue. Pine wood block. Laid by Clark & Gore.	18	94	1915	
Dell avenue (Hyde Park)	Hyde Park avenue to 46 fect cast of Hyde Park avenue. Topeka. Laid by Martino DeMatteo.	46	529	1921	May 12, 1926.
Dell avenue (Hyde Park)	46 feet east of Hyde Park avenue to 87 feet east of Hyde Park avenue. Topeka (macadam base). Laid by Martino DeMatteo.	1	85	1921	May 12, 1926.
Derne street (eity proper)	Temple street to 5 feet east of Hancock street. Mack brick block. Laid by J. E. Burns & Co.	202	610	1909	
Derne street (city proper)	5 feet east of Hancock street to Hancock street. Bitulithic. Laid by Warren Brothers Company.	ro	30	1902	
Devonshire street (eity proper)	Dock square to 75 feet south of Dock square (west side). Pine wood block. Laid by Bernard E. Grant.		77	1916	
Devonshire street (city proper)	75 feet south of Dock square to State street (cach side of tracks). Pinc wood block. Laid by Bernard E. Grant.	230	517	1916	

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Are), Square Yards.	Year Laid.	Guaranty Expires.
Devonshire street (city proper)	5 feet north of State street to 6 feet south of Water street. Pine wood block. Laid by Bernard E. Grant.	391	1,278	1916	
Devonshire street (city proper)	6 feet south of Water street to 1 foot north of Milk street. Pine wood block. Laid by James Doherty.	255	992	1920	June 20, 1925.
Devonshire street (city proper)	17 feet south of Milk street to north side of Franklin street. Pine wood block. Laid by James Doherty.	418	1,108	1920	June 20, 1925.
Devonshire street (city proper)	9 feet north of Summer street to Summer street. Pine wood block. Laid by Northern Construction Company.	6	51	1915	
DeWolf street (Dorchester)	At Hancock street. Bessemer brick block. Laid by Fred S. & A. D. Gore Corporation.	× ×	24	11911	
Dighton street (Brighton)	At Washington street, Bitulithic (macadam base). Laid by Warren Brothers Company.	10	27	1920	July 8, 1925.
Dillaway street (city proper)	Dore street to 2 feet north of Hollis street. Bitulithic. Laid by James Doberty.	259	452	1914	
Dillaway street (city proper)	2 feet north of Hollis street to Hollis street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	C1	ਚਾ	1891	
Dillon street (city proper)	Lenox street to Sawyer street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	204	295	1902	
Dimock street (Roxbury)	13 feet east of Columbus avenue to Columbus avenue. Asphalt concrete (macadam base). Laid by Simpson Brothers Corporation.	13	38	1921	Aug. 9, 1926.
Dimock street (Roxbury)	Columbus avenue to 16 feet west of Columbus avenue. Asphalt concrete (macadam base). Laid by Simpson Brothers Corporation.	16	46	1921	Aug. 9, 1926.
Dix street (Dorchester)	At Dorchester avenue. Pine wood block. Laid by Gore, Incorporated	10	52	1921	Nov. 16, 1926.
Doane street (city proper)	Sfeet west of Broad street to 297 feet west of Broad street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	289	577	1910	

				Pu	BLIC	W	ork	s D)EPA	ARTI	IEN	т.			333
++	Oct. 10, 1924.		Aug. 21, 1924.	Aug. 21, 1924.	Nov. 16, 1926.	Nov. 16, 1926.	Nov. 12, 1922.	June 11, 1924.	Aug. 31, 1926.	Aug. 31, 1926.	Aug. 31, 1926.	Aug. 31, 1926.			
1919	1919	1915	1919	1919	1921	1921	1917	1919	1951	1921	1921	1921	1904	1914	
27	16	က	1,932	2,128	849	1,490	1,177	180	1,159	745	4,273	239	190	613	
13	4	1	527	476	201	340	453	55	312	191	992	:	:	152	
297 feet west of Broad street to 7 feet east of Kilby street. Aztec asphalt. Laid by James Doherty.	7 feet east of Kilby street to Kilby street. Pine wood block. Laid by James Doherty.	At Callender street. Trinidad asphalt. Laid by D. M. Biggs & Co	3 feet north of Ralston street to north side of bridge over Old Colony Railroad. Pine wood block. Laid by William J. Barry.	67 feet north of Victoria street to 10 feet south of Hallam street. Pine wood block. Laid by William J. Barry.	29 feet north of Dix street to north side of Mather street. Pine wood block. Laid by Gore, Incorporated.	49 feet north of King street to 9 feet south of Roseland street. Pine wood block. Laid by Gore, Incorporated.	118 feet south of Bellows place to 2 feet north of Richmond street. Pine wood block. Laid by James Doherty.	55 feet north of East Broadway to East Broadway. Bitulithic. Laid by Warren Brothers Company.	West Broadway to 5 feet north of West Fourth street. Bitulithic. Laid by Samuel J. Tomasello.	10 feet south of West Fourth street to 9 feet south of north side of Old Harbor street. Bitultthie. Laid by Samuel J. Tomascho.	19 feet north of West Fifth street to 100 feet north of West Eighth street Bitulithic. Laid by Samuel J. Tomasello.	West side. 106 feet north of West Eighth street to West Eighth street. Bitulithic. Laid by Sanuel J. Tomasello.	94 feet north of Vinton street to Vinton street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	8 feet north of Rogers street to 154 feet north of Dorchester avenue. Bitulithic. Laid by Warren Brothers Company.	
Doane street (city proper)	Doane street (city proper)	Don street (Dorchester)	Dorchester avenue (South Boston)	Dorchester avenue (Dorchester)	Dorchester avenue (Dorchester)	Dorchester avenue (Dorchester)	Dorehester avenue (Dorchester)	Dorehester street (South Boston)	Dorchester street (South Boston)	Dorchester street (South Boston)	Dorchester street (South Boston)	Dorchester street (South Boston)	Dorchester street (South Boston)	Dorchester street (South Boston)	

List of Streets Having a Smooth Pavement.—Continued.

Spreets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Dore street (city proper)	9 feet west of Washington street to 8 feet east of Tremont street. Bitulithic. Laid by Warren Brothers Company.	437	775	1914	
Dore street (city proper)	3 feet east of Tremont street to Tremont street. Pine wood block. Laid by Bernard B. Grant.	ಣ	9	1917	Nov. 15, 1922.
Doris street (Dorchester)	At Treadway road. Aztee asphalt. Laid by Central Construction Company.	7	21	1916	
Dove street (Roxbury)	At Blue Hill avenue. Mexican asphalt (crushed stone base). Laid by Central Construction Company.	ಣ	6	1917	++
Dove street (Roxbury)	At Dacia street. Bitulithic. Laid by Warren Brothers Company	-	co	1906	
Dover street (city proper)	At Tremont street. Asphalt. Laid by B. E. Grant Company		15	1920	Sept. 18, 1925.
Downing street (Roxbury)	Whittier street to Vernon street. Mack brick block. Laid by J. E. Burns & Co.	323	750	1909	
Draper street (Dorchester)	At Bowdoin street. Aztec usphalt (macadam base). Laid by Bernudez Company.	11	32	1919	May 9, 1924.
Dudley street (Roxbury)	74 feet west of Guild row to 24 feet cast of Harrison avenue. Pine wood block. Laid by James Doherty.	841	4,134	1912	
Dudley street (Roxbury)	24 feet east of Harrison avenue to 4 feet east of Magazine street. Mack brick block. Laid by James Doberty.	2,666	10,755	1910	
Dudley street (Roxbury)	Dunmore street to Magazine street (east side). Sicilian rock asphalt. Laid by Boston Asphalt Company.	:	350	1902	
Dunbar avenue (Dorchester)	At Washington street. Topeka (macadam base). Laid by Warren Brothers Company.	6	33	1918	Sept. 25, 1923.
Dunbar avenue (Dorchester)	9 feet west of Washington street to 491 feet west of Washington street. Mexican asphalt (macadam base). Laid by Martino DeMatteo.	482	1,768	1919	June 3, 1924.

				Aug. 12, 1924.	June 12, 1922.			June 12, 1922.	Dec. 24, 1923.	May 2, 1926.	Sept. 4, 1924.		Sept. 18, 1925.	
1901	1913	1915	1910	1919	1917	1915	1915	1917	1918	1921	1919	1893	1920	1892
13	23	1,759	135	۲-	2,468	23	56	2,606	31	25	37	2,017	33	392
4	11	787	57	¢1	854	۲-	۲-	900	10		12	969	11	106
At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	Washington street to 11 feet west of Washington street. Pine wood block. Laid by William J. Barry.	. 11 feet west of Washington street to 6 feet east of Whitfield street. Trinidad asphalt. Laid by William J. Rafferty & Co.	Dudley street to 57 feet east of Dudley street. Mack brick block. Laid by James Doherty.	Centre street to 2 feet north of Centre street. Topeka (macadam base). Laid by Rowe Contracting Company.	. 2 feet north of Centre street to 7 feet south of Dane street. Mexican asphalt. Laid by Central Construction Company.	7 feet south of Dane street to Dane street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	Dane street to 7 feet north of Dane street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	. 7 feet north of Dane street to Pond street. Mexican asplialt. Laid by Central Construction Company.	At North Beacon street. Bitulithic. Laid by Warren Brothers Company,	At Cushman road. Asphalt concrete (macadam base). Laid by John J. Lane.	At Cambridge street. Bitulithic. Laid by Warren Brothers Company	6 feet west of Shawmut avenue to 11 feet cast of Tremont street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	. If feet east of Tremont street to Tremont street. Asphalt. Laid by B. E. Grant Company.	5 feet south of Bolton street to West Third street, Trinidad asphalt. Laid by Barber Asphalt Paving Company.
Dundee street (Roxbury)	Dunlap street (Dorchester)	Dunlap street (Dorchester)	Dunmore street (Roxbury)	Dunster road (West Roxbury)	Dunster road (West Roxbury)	Dunster road (West Roxbury)	Dunster road (West Roxbury)	Dunster road (West Roxbury)	Dustin street (Brighton)	Dustin street (Brighton)	Dustin street (Brighton)	Dwight street (city proper)	Dwight street (eity proper)	E street (South Boston)

List of Streets Having a Smooth Pavement.—Continued.

Spreets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
E street (South Boston)	15 feet northeast of West Broadway to West Broadway. Acme asphalt. Laid by Warren Brothers Company.	15	58	1917	Oct. 18, 1922.
E street (South Boston)	West Broadway to 24 feet southwest of West Broadway. Aeme asphalt. Laid by Warren Brothers Company Bessemer brick block gutters. Jaid by Warren Brothers Company	24 {	88	1917 1917	Oct. 18, 1922.
E street (South Boston)	24 feet southwest of West Broadway, across West Fourth street. Bitulithic. Laid by Warren Brothers Company.	311	1,137	1903	
E street (South Boston)	West Seventh street to West Eightli street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	311	500	1901	
East Broadway (South Boston)	West side Dorchester street to west side L street. Bitulithic. Laid by Warren Brothers Company	2,731	10,248	1919	June 11, 1924.
Eastburn street (Brighton)	At Washington street. Bitulithic (macadam base). Laid by Warren Brothers Company.	10	69	1920	July 8, 1925.
Eastman street (Dorehester)	At Elder street. Topeka. Laid by Central Construction Company	7	21	1920	Oct. 14, 1925.
East Concord street (city proper)	At Albany street. Pine wood block. Laid by Bernard E. Grant	13	45	1917	Jan. 19, 1923.
East Cottage street (Dorchester)	At Pleasant street. Topeka (macadam base). Laid by Central Construction Company.	:	104	1920	Sept. 22, 1925.
East Fourth street (South Boston)	Sfeet west of K street, across P street. Pine wood block. Laid by John E. Quinn.	2,655	8,681	1919	May 24, 1925.
East Fourth street (South Boston)	P street to 96 feet west of Farragut road. Pine wood block. Laid by James Doherty.	426	1,450	1911	
East Fourth street (South Boston)	96 feet west of Farragut road to Farragut road. Mack brick block. Laid by James Doberty.	96	329	1911	
East Newton street (city proper)	Washington street to Harrison avenue. Aztee asphalt (macadam base). Laid by Bernudez Company.	604	2,205	1919	April 23, 1924.

East Newton street (city proper)	East Newton street (city proper) Harrison avenue to 13 feet west of Albany street. Aztec asphalt (macadam base). Laid by Bermudez Company.	701	2,634	1919	May 14, 1924.
Easton street (Brighton)	North Harvard street to Myrick street. Asphalt. Laid by John J. Lane	099	1,911	1920	Nov. 20, 1925.
East Sixth street (South Boston)	At G street. Bitulithic. Laid by Warren Brothers Company	es	12	1905	
Easton street (Brighton)	Myrick street to 7 feet west of Mansfield street. Asphalt. Laid by John J. Lane.	218	634	1920	Nov. 20, 1925.
Easton street (Brighton)	7 feet west of Mansfield street to 64 feet west of Mansfield street. Asphalt (macadam base). Laid by John J. Lane.	57	131	1920	Nov. 20, 1925.
Eaton street (city proper)	At North Russell street. Aztec asphalt. Laid by Bernudez Company	က	9	1917	Nov. 3, 1922.
Echo street (Roxbury)	Columbus avenue to 20 feet west of Columbus avenue. Asphalt concrete (macadam base). Laid by Simpson Brothers Corporation.	50	39	1921	Aug. 9, 1926.
Edinboro' street (city proper)	Essex street to Beach street. Acme asphalt. Laid by Warren Brothers. Company.	464	916	1912	
Edson street (Dorchester)	At Norfolk street. Bitulithic. Laid by James Doherty	6	43	1914	
Elder street (Dorchester)	Columbia road to Humphreys street Topeka. Laid by Central Construction Company.	846	2,512	1920	Oct. 14, 1925.
Eleanor street (Brighton)	At Cambridge street. Bitulithic (macadam base). Laid by Warren Brothers Company.	12	37	1919	Sept. 4, 1924.
Elko street (Brighton)	At Cambridge street. Bitulithie (macadam base). Laid by Warren Brothers Company.	12	53	1919	Sept. 4, 1924.
Elgin street (West Roxbury)	Centre street to 3 feet west of Centre street. Topeka. Rowe Contracting Company.	က	11	1921	Aug. 26, 1926.
Elgin street (West Roxbury)	3 feet west of Centre street to West Roxbury Branch, Boston & Providence Division, New York, New Haven & Hartford Railroad. Trimidad asphalt. Laid by Charles J. Jacobs Company.	269	1,687	1915	
Eliot street (city proper)	On south side at Broadway. Pine wood block. Laid by Coleman Brothers,	:	66	1914	
Eliot street (city proper)	East side of Broadway to Columbus avenue. Pine wood block. Laid by United States Wood Preserving Company.	164	723	1907	
Eliot street (West Roxbury)	At Centre street. Bitulithic. Laid by Warren Brothers Company	ପ	7	1913	

List of Streets Having a Smooth Pavement.—Continued.

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Зүпевтв.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Elizabeth street (Dorchester).	At Norfolk street. Bitulithic. Laid by Warren Brothers Company	∞	25	1918	Nov. 4, 1923.
Elm street (West Roxbury)	Green street to 41 feet south of Green street. Topeka (macadam base). Laid by Central Construction Company.	17	183	1921	June 3, 1926.
Elmira street (Brighton)	At Market street. Simasco. Laid by Simpson Brothers Corporation	35	103	1921	June 20, 1926.
Elm Hill avenue (Roxbury)	At Seaver street. Acme asphalt (macadam base) Laid by Warren Brothers Company.	19	83	1917	Sept. 17, 1922.
Elmhurst street (Dorchester)	At Norfolk street. Bitulithic. Laid by James Doherty	C1	7	1914	
Emerald street (city proper)	7 feet south of Castle street to 7 feet north of Dover street. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	868	2,599	1904	
Emerson street (South Boston)	125 feet west of East Broadway to East Broadway. Bitulithic. Laid by Warren Brothers Company.	125	524	1919	June 11, 1924.
Emerson street (South Boston)	East Broadway to 34 feet east of East Broadway. Bitulithic, Laid by Warren Brothers Company.	34	139	1919	June 11, 1924.
Emerson street (South Boston)	7 feet west of K street to K street. Pine wood block. Laid by John E. Quinn.	t-	21	1920	May 24, 1925.
Emerson street (South Boston)	22 feet west of East Fourth street to East Fourth street. Pine wood block. Laid by John E. Quinn.	81	88	1920	May 24, 1925.
Emerson street (South Boston)	. S feet west of M street to M street. Pine wood block. Laid by John E. Quinn.	∞	20	1920	May 24, 1925.
Emmons street (East Boston)	At Chelsea street. Asphalt concrete. Laid by Coleman Brothers, Inc	11	33	1921	July 19, 1926.
Endicott street (city proper)	Cooper street, across Thacher street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	320	1,082	1899	
Englewood avenue (Brighton)	. At Chestnut Hill avenue. Asphalt concrete (macadam base). Laid by John J. Lane.	13	28	1921	Oct. 14, 1926.

	by Central Construction Company.				May 50, 1352.
Epping street (Dorchester) 1 for D	I foot east of Norfolk street to Norfolk street. Bitulithic. Laid by James Doherty.	1	9	1913	
Essex place (city proper) Tuft	Tufts street to 7 feet south of Essex street. Sielian rock asphalt. Laid by Boston Asphalt Company.	195	336	1901	
Essex street (Brighton) Com	Commonwealth avenue to 22 feet north of Commonwealth avenue. Pine wood block. Laid by Clark & Gore.	55	161	1915	
Fror	From 22 feet north of Commonwealth avenue to bridge abutment. Aztec asphalt. Laid by Bernudez Company.	240	629	1918	++
Essex street (Brighton)	Bridge abutment to Cambridge line. Pine wood block. Laid by James Doherty	520	1,445	1913	
Etna street (Brighton) At N	At North Beacon street. Bitulithic. Laid by Warren Brothers Company	10	35	1918	Dec. 24, 1923.
At C	At Cushman road. Asphalt. Laid by John J. Lane	32	110	1920	May 2, 1926.
Euclid street (Dorchester) $\left egin{array}{c} \operatorname{At} \mathbb{W} \\ \operatorname{Cc} \end{array} \right $	At Washington street. Topeka (macadam base). Laid by Warren Brothers Company.	10	33	8161	Sept. 25, 1923.
Eustis street (Roxbury)	138 feet east of Winslow street to 163 feet west of Albany street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	130	241	1906	
Eustis street (Roxbury) Acm Acm Bess	12 feet west of Dearborn street to Dearborn street. Aeme asphalt. Laid by Warren Brothers Company Bessener briek block gutters. Laid by Warren Brothers Company	} 12 {	23	1916 1916	Nov. 20, 1922. Nov. 20, 1922.
Eustis street (Roxbury) Aem Aem Bess	Dearborn street to 6 feet east of Dearborn street. Acme asphalt. Laid by Warren Brothers Company	9 {	16	1916	Nov. 20, 1922.
Eustis street (Roxbury)	6 feet east of Dearborn street to 9 feet west of Hampden street. Bitulithic. Laid by John F. Beatty.	1,270	3,689	1914	
Eustis street (Roxbury) Ham	Hampden street to Magazine street. Bitulithic. Laid by John F. Beatty.	989	1,990	1914	
Evelyn street (Dorehester) At N	At Norfolk street. Bitulithic. Laid by Warren Brothers Company	∞	25	1918	Nov. 4 1923.
Everett avenue (Dorehester) At S	At Stoughton street. Topeka (macadam base). Laid by department forces,	4	21	1920	

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Everett street (Brighton)	At North Beacon street. Bitulithic. Laid by Warren Brothers Company	10	31	1918	Dec. 24, 1923.
Everett street (Hyde Park)	At Hyde Park avenue. Topeka. Laid by Martino DeMatteo	6	30	1921	May 12, 1926.
Everton street (Dorchester)	Olney street to Geneva avenue. Topeka. Laid by Central Construction Company.	677	2,026	1916	June 26, 1922.
Exchauge place (city proper)	Congress street to 7 feet east of Congress street. Pine wood block. Laid by Coleman Brothers, Inc.	7	22	1921	Nov. 19, 1926.
Exchange place (city proper)	7 feet east of Congress street to 59 feet east of Congress street. Asphalt. Laid by Rowe Contracting Company.	52	152	1921	++
Exchange place (city proper)	59 feet cast of Congress street to 30 feet west of Kilby street. Trinidad as- phalt. Laid by Barber Asphalt Paving Company.	156	451	1903	
Exchange place (city proper)	30 feet west of Kilby street to 9 feet west of Kilby street. Aztec asphalt. Laid by James Doherty.	21	61	1919	++
Exchange place (city proper)	9 feet west of Kilby street to Kilby street. Pine wood block. Laid by James Doherty.	6	27	1919	Oct. 10, 1924
Exchange street (city proper)	173 feet north of State street to 25 feet south of Dock square. Pine wood block. Laid by Central Construction Company.	139	242	1913	
Exeter place (city proper)	8 feet west of Channey street to 7 feet east of Harrison avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	155	353	1897	
Exeter street (city proper)	At Huntington avenue. Bitulithie. Laid by Fred S. & A. D. Gore Corporation. Bitulithic. Laid by Warren Brothers Company.	: :	14	1912 1909	
Exeter street (city proper)	Huntington avenue to 16 feet south of Boylston street. Bitulithic. Laid by Boston Elevated Railway Company.	541	2,126	1914	
Exeter street (city proper)	16 feet south of Boylston street to Boylston street. Bitulithic. Laid by Coleman Brothers.	16	82	1914	

Exeter street (city proper)	Boylston street to 15 feet north of Boylston street. Bitulithic. Laid by Warren Brothers Company.	15	62	1919	June 24, 1924.
Exeter street (city proper)	15 feet north of Boylston street to south street line Commonwealth avenue. Bitulithic (macadam base). Laid by Warren Brothers Company.	552	2,208	1919	June 24, 1924.
Exeter street (city proper)	South street line of Commonwealth avenue to north street line of Commonwealth avenue. Bitalithie (macadam base). Laid by Warren Brothers Company.	200	730	1916	
Exeter street (city proper)	South side of Marlborough street. Bitulithic. Laid by James Doherty	ಣ	13	1914	
Exeter street (city proper)	North side of Marlborough street. Bitulithic. Laid by James Doherty	631	6	1914	
Exeter street (city proper)	At Beacon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	¢1	6	1909	
Fabin street (city proper)	Newland street to Ivanhoe street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	415	909	1895	
Fabyan street (Dorchester)	15 feet east of Blue Hill avenue to 4 feet east of Harvard street. Trinidad asphalt. Laid by Martino DeMatteo.	687	1,981	1915	
Fabyan street (Dorchester)	4 feet cast of Harvard street to Harvard street. Topeka. Laid by Rowe Contracting Company.	4	15	1920	June 1, 1925.
Fairbanks street (Brighton)	Washington street to 10 feet north of Washington street. Bitulithic (macadam base). Laid by Warren Brothers Company.	10	31	1920	July 8, 1925.
Fairbanks street (Brighton)	10 feet north of Washington street to Faneuil street. Asphalt, Laid by city forces.	1,170	3,381	1921	
Fairfield street (city proper)	Boylston street to 5 feet north of Boylston street. Bitulithic. Laid by Warren Brothers Company.	ಸು	23	1913	
Fairfield street (city proper)	13 feet south of Newbury street. Bitulithic (macadam base). Laid by Warren Brothers Company.	09	267	1919	June 4, 1924.
Fairfield street (city proper)	Each side of Marlborough street. Bitnlithic. Laid by James Doherty	9	56	1914	
Fairfield street (city proper)	At Beacon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	ဇာ	12	1909	

List of Streets Having a Smooth Pavement.—Continued.

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STREETS.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Fairmont avenue (Hyde Park)	River street to 45 feet east of River street. Topeka (macadam base). Laid by Central Construction Company.	45	226	1921	Sept. 9, 1926.
Falkland terrace (Brighton)	Hobert street to Brookdale road. Topeka. I aid by John J. Lane	199	1,949	1920	Sept. 25, 1925.
Falmouth street (Roxbury)	30 feet north of Norway street to 6 feet north of Massachusetts avenue. Pine wood block. Laid by James Doherty.	634	2,433	1909	
Falmouth street (Roxbury)	6 feet north of Massachusetts avenue to Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	စ	25	1901	
Faneuil street (Brighton)	At Market street. Simasco. Laid by Simpson Brothers Corporation	10	80	1921	June 20, 1926.
Farquhar street (West Roxbury)	Intersection of Selwyn street. Topeka (macadam base). Laid by Martino DeMatteo.	33	85	1920	Nov. 11, 1925.
Farquhar street (West Roxbury)	Selwyn street to Centre street. Topeka. Laid by Martino DeMatteo	902	2,620	1920	Nov. 11, 1925.
Farrington avenue (Brighton)	At Harvard avenue. Bitulithic. Laid by Coleman Brothers	61	9	1914	
Faxon street (Roxbury)	At Smith street. Aztec asphalt (macadam base). Laid by Bermudez Company.	۲-	16	1919	Nov. 8, 1924.
Fay street (city proper)	5 feet west of Harrison avenue to 8 feet south of Dover street. Sicilian rock asphalt (cobble base). Laid by Boston Asphalt Company.	305	532	1894	
Fayette street (city proper)	Broadway to 7 feet west of Broadway. Pine wood block. Laid by Coleman Brothers.	7	16	1913	
Fayette street (city proper)	7 feet west of Broadway to Arlington street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	839	1,914	1911	
Federal street (city proper)	Milk street to S feet south of Franklin street. Pine wood block. Laid by James Doberty.	474	1,670	1919	April 20, 1924.
Fenelon street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	30	1912	

Ferdinand street (city proper) See Arlington square.	See Arlington square.					
Fernboro street (Dorchester)	Lawrence avenue to Intervale street. Trinidad asphalt. Laid by James Doherty.	487	1,412	1916		
Fletcher street (West Roxbury)	Each side of Centre street. Asphalt (macadam base). Laid by the Bernudez Company.	18	58	1920	May 5, 1926.	926.
Flint street (Dorchester)	At Norfolk street. Bitulithic. Laid by Warren Brothers Company	00	25	1918	Nov. 4, 1923.	923.
Florence street (city proper)	10 feet cast of Washington street to 8 feet west of Harrison avenue. Mexican asphalt. Laid by Central Construction Company.	341	694	1917	++	
Florida street (Dorchester)	King street to Lonsdale street. Topeka (macadam base). Laid by city force.	569	1,326	1919		
Florida street (Dorchester)	Lonsdale street to Templeton street. Topeka (macadam base). Laid by eity force.	573	1,407	1919		
Florida street (Dorchester)	Templeton street to Ashmont street. Topeka (macadam base). Laid by city force.	694	1,592	1919		
Forbes street (Roxbury)	At Centre street. Asphalt concrete (macadam base). Laid by B. E. Grant Company.	12	20	1921	Unfinished.	
Ford street (East Boston)	Saratoga street to 62 feet north of Saratoga street. Standard asphalt. Laid by Bermudez Company.	62	271	1918	May 1, 1924.	924.
Fordham road (Brighton)	Brighton avenue to Commonwealth avenue. Mexican asphalt. Laid by Central Construction Company.	624	1,481	1917	July 2, 1922.	922.
Forsyth street (Roxbury)	At Huntington avenue. Asphalt concrete (macadam base). Laid by Andrews Construction Company.	13	83	1921	July 8, 1926.	926.
Foster street (Brighton)	Each side of Washington street. Bitulithic. Laid by Warren Brothers Company.	22	151	1920	July 8, 1925.	925.
Foster street (Brighton)	At Commonwealth avenue. Mexican asphalt (Telford macadam base). Laid by Central Construction Company.	က	10	1918	May 21, 1923.	923.
Fottler road (Dorchester)	Each side of Walk Hill street. Mexican asphalt (macadam base). Laid by Martino DeMatteo.	57	94	1919	June 18, 1924.	924.

List of Streets Having a Smooth Pavement.-- Continued.

STHEETS.	Lâmits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Frankfort street (East Boston)	At Neptune road. Mexican asphalt. Laid by the Central Construction Company.	20	29	1916-17	Aug. 2, 1923.
Franklin street (city proper)	At Federal street. Pine wood block. Laid by James Doherty	10	40	1919	April 20, 1924.
Franklin street (city proper)	At India street. Mexican asphalt. Laid by Central Construction Company,	-	₩	1901	
Fruit street (city proper)	Blossom street to 2 feet north of Charles street. Acme asphalt. Laid by Warren Brothers Company. Bessemer brick block gutters. Laid by Warren Brothers Company.	} 246 {	1,425	1917 1917	Nov. 15, 1922. Nov. 15, 1922.
Fruit street (city proper)	2 feet north of Charles street to Charles street. Pine wood block. Laid by John McCourt Company.	¢1	10	1920	Aug. 20, 1925.
Fuller street (Brighton)	At Commonwealth avenue. Asphalt (macadam base). Laid by the Bernudez Company.	20	62	1920	++
G street (South Boston)	Each side of East Broadway. Bitulithic. Laid by Warren Brothers Company.	58	193	1919	June 11, 1924.
G street (South Boston)	110 feet north of East Sixth street to 180 feet north of East Seventh street. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	228	821	1905	
Gaffney street (Brighton)	Commonwealth avenue to Boston & Albany Railroad. Mexican asphalt. Laid by Central Construction Company. Pine wood block (brows to street car rails). Laid by Central Construction Company.	872	3,914 2S	1917 1917	June 29, 1922. June 29, 1922.
Gainsborough street (city proper)	Huntington avenue to 13 feet west of Huntington avenue. Asphalt concrete (macadam base). Laid by Andrews Construction Company.	13	49	1921	July 8, 1926.
Gainsborough street (Roxbury)	Providence Division of New York, New Haven & Harford Railroad to 10 feet east of Huntington avenue. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	539	2,037	1903	
Garden Court street (eity proper)	North square to 7 feet south of Fleet street. Asphalt (bitulithic base). Laid by Rowe Contracting Company.	226	365	1921	**

Gardner street (Brighton)	At Harvard avenue. Bitulithic. Laid by Coleman Brothers	61	9	1914	
Garrison street (city proper)	At Huntington avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	4	16	1896	
Gates street (South Boston)	At Dorchester street. Bitulithic. Laid by Samuel J. Tomascello	ı	16	1921	Aug. 31, 1926.
Gay street (Roxbury)	At Linden Park street. Mack brick block. Laid by J. E. Burns & Co	ø	19	1909	
Gay Head street (Roxbury)	At Certre street. Asphalt concrete (macadam base). Laid by B. E. Grant,	15	40	1921	Unfinished.
Gaylord street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	n	5:	1913	
Genesee street (city proper)	Harrison avenue to 15 feet east of Harrison avenue. Aztec asphalt. Laid by Bermudez Company.	15	37	1918	
Genesee street (city proper)	15 feet cast of Harrison avenue to 66 feet west of Albany street. Seysselrock asphalt. Laid by Jones & Meehan.	431	926	1899	
Genesee street (city proper)	66 feet west of Albany street to 15 feet west of Albany street. Asphalt. Laid by the Bermudez Company.	51	114	1920	++
Geneva avenue (Dorchester)	185 feet west of Beechwood street to 9 feet cast of Bowdoin street. Mack brick block. Laid by Central Construction Company.	1,329	5,123	11911	
Geneva avenue (Dorchester)	9 feet cust of Bowdoin street to Bowdoin street. Topeka. Laid by city force.	6	20	1919	
Geneva avenue (Dorchester)	Bowdoin street to 222 feet south of Charles street. Topcka (macadam base). Laid by department forces.	2,384	4,208	1920	
Geneva avenue (Dorchester)	112 feet north of Vinson street to 9 feet south of Vinson street. Topeka (macadam base). Laid by department forces.	151	656	1920	
Geneva avenue (Dorchester)	Park street to 10 feet north of Dorchester avenue. Topcka (macadam base). Laid by department forces.	465	1,797	1920	
Geneva avenue (Dorchester)	At Levant street. Aztec asphalt (macadam base). Laid by McGuire & McGourty.	:	15	1919	Nov. 24, 1924.
Glenarm street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	55	1912	
Glencoe strect (Brighton)	North Beacon street to I foot south of North Beacon street. Bitulithic. Laid by Warren Brothers Company.	-	10	1918	Dec. 24, 1923.

List of Streets Having a Smooth Pavement.—Continued.

	D					
Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.	anty res.
Glencoe street (Brighton)	I foot south of North Beacon street to Saybrook street. Mexican asphalt. Laid by Central Construction Company.	415	972	1917	Aug.	2, 1922.
Glencoe street (Brighton)	Saybrook street to 7 feet south of Garden street. Mexican asphalt. Laid by Central Construction Company.	346	820	1917	Aug.	2, 1922.
Glendale street (Dorchester)	At Columbia road. Bitulitlic. Laid by Warren Brothers Company	7.5	28	1915		
Glendale street (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	53	1910-11		
Glendower road (West Roxbury)	Nitredge street to Poplar street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	1,926	5,578	1915-16		
Glenville avenue	At Harvard avenue. Bitulithic. Laid by Coleman Brothers	61	9	1914		
Glenville avenue (Brighton)	58 feet west of Spofford road to 44 feet west of Greylock road. Asphalt (macadam base). Laid by John J. Lane.	74	275	1920	Nov.	5, 1925.
Glenville avenue (Brighton)	44 feet west of Greylock road to 21 feet cast of Long avenue. Asphalt. Laid by John J. Lane.	557	1,723	1920	Nov.	5, 1925.
Glenville avenue (Brighton)	21 feet east of Long avenue to Long avenue. Trinidad asphalt. Laid by Central Construction Company.	21	80	1914		
Glenville avenue (Brighton)	Long avenue to 24 feet west of Long avenue. Trinidad asphalt. Laid by Central Construction Company.	7 6	63	1914		
Glenville avenue (Brighton)	24 feet west of Long avenue to Allston street. Asphalt. Laid by John J. Lane.	379	1,097	1920	Nov.	5, 1925.
Glenway street (Dorchester)	At York street. Topeka (macadam base). Laid by Rowe Contracting Company.		17	1919	Dec. 1	10, 1924.
Glenway street (Dorchester)	At Brenton street. Bitulithic (macadam base). Laid by Warren Brothers Company.		31	1921	July 1	July 13, 1926.

				•		. •	• •	010	110		21 211	01 111	L11 1	•			91
••					++				Aug. 12, 1924.	Dec. 24, 1923.	Sept. 4, 1924.	April 26, 1923.	July 19, 1926.				Dec. 6, 1924.
1921	1913	1061	1914	1909	1918	1901	1901	1905	1919	8161	1919	1917-18	1921	1915	1915	1904	1919
186	23	31	56	13	118	730	741	9	61	31	37	1,430	85	873	88	-1	2,751
89	ro	2	9	က	85	512	513	7	12	10	12	124	53	303	19	ec	878
Bridge over Mother brook. Pine wood block, Laid by John McCourt Company.	At Boylston street. Bitulithic. Laid by Warren Brothers Company	Each side of Newbury street. Pine wood block. Laid by United States Wood Preserving Company.	East side of Marlborough street. Bitulithic. Laid by James Doherty	At Beacon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Bridge over New York, New Haven & Hartford Railroad. Pine wood block. Laid by Central Construction Company.	B street to C street. Sicilian rock asphalt. Laid by Jones & Mechan	C street to D street. Sicilian rock asphalt. Laid by Jones & Mechan	At Dorehester street. Bitulithie. Laid by Warren Brothers Company	At Centre street. Topeka (macadam base). Laid by Rowe Contracting Company.	At North Beacon street. Bitulithic. Laid by Warren Brothers Company	At Cambridgestreet. Bitulithic (macadam base). Laid by Warren Brothers Company.	8 feet cast of Venice street to Cottage street. Topeka. Laid by Warren Brothers Company.	Each side of Chelsea street. Asphalt concrete. Laid by Coleman Brothers, Inc.	Walton street to Roslin street. Bitulithic. Laid by D. M. Biggs & Co	At Commonwealth avenue. Pine wood block. Laid by Clark & Gore	At Clarendon street. Bitulithic. Laid by Warren Brothers Company	10 feet east of Washington street to 7 feet west of Callstreet. Topoka. Laid by Central Construction Company.
Glenwood avenue (Hyde Park)	Gloucester street (city proper)	Gloucester street (city proper)	Gloucester street (city proper)	Gloucester street (city proper)	Gold street (South Boston)	Gold street (South Boston)	Gold street (South Boston)	Gold street (South Boston)	Goldsmith street (West Roxbury)	Gordon street (Brighton)	Gordon street (Brighton)	Gove street (East Boston)	Gove street (East Boston)	Grace street (Dorchester)	Granby street (Roxbury)	Gray street (city proper)	Green street (West Roxbury)

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet	Area, Square Yards.	Year Laid.	Guaranty Expires.
Green street (West Roxbury)	7 feet west of Call street to Centre street. Topeka (macadam base). Laid by Central Construction Company.	1,997	5,932	1921	June 3, 1926.
Greenough avenue (West Roxbury)	At Centrestreet. Bitulithic. Laid by Warren Brothers Company	C1	18	1913	
Greenview avenue (West Roxbury)	Centre street to 413 feet east of Centre street. Topeka. Laid by John Kelly Company.	413	989	1919	Oct. 30, 1924.
Greenville street (Roxbury)	At Dudley street. Mack brick block. Laid by James Doherty	8	20	1910	
Greenwich park (city proper)	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	6	34	1906	
Greenwich street (Roxbury)	Westminster street to Warwick street. Topeka. Laid by Central Construction Company.	365	1,383	1919	July 1, 1924.
Greenwood avenue (Hyde Park)	. Hyde Park avenue to 98 feet east of Hyde Park avenue. Topeka. Laid by Martino DeMatteo.	86	208	1921	May 12, 1926.
Greenwood avenue (Hyde Park)	98 feet cast of Hyde Park avenue to 129 feet east of Hyde Park avenue. Topeka (macadam base). Laid by Martino DeMatteo.	31	97	1921	May 12, 1926.
Greenwood street (Dorchester)	At York street. Topeka (macadam base). Laid by Rowe Contracting Company.	:	35	1919	Dec. 10, 1924.
Greenwood street (Dorchester)	At Brenton street. Bitulithic. Laid by Warren Brothers Company	:	14	1921	July 13, 1926.
Groton street (city proper)	Washington street to Shawmut avenue (block base). Trinidad asphalt. Laid by Barber Asphalt Paving Company.	316	528	1892	
Guild row (Roxbury)	42 feet north of Dudey street to Dudley street. Pine wood block. Laid by James Dohorty.	42	285	1912	
Gurney street (Roxbury)	At Parker street. Aztec asphalt (macadam base). Laid by Bermudez Company.	· ο	26	1919	Oct. 25, 1924.

H street (South Boston)	Each side of East Broadway. Bitulithic. Laid by Warren Brothers Company.	53	184	1919	June 11, 1924.
Half Moon street (Dorchester)	At Lingard street. Bitulithic. Laid by James Doherty	1	80	1915	
Halifax street (Roxbury)	South Huntington avenue to Pond View street. Asphalt concrete. Laid by Martino DeMatteo.	971	2,580	1921	July 6, 1926.
Hall street (West Roxbury)	At South street. Aztee asphalt (macadam base). Laid by Bermudez Company.	C1	9	1918	Sept. 28, 1923.
Hallam street (Dorchester)	Dorchester avenue to 10 feet east of Dorchester avenue. Pine wood block. Laid by William J. Barry.	10	31	1919	Aug. 21, 1924.
Hallam street (Dorchester)	10 feet east of Dorehester avenue to Auckland street. Mexican asphalt. Laid by Martino DeMatteo.	311	897	1919	June 30, 1924.
Halleck street (Roxbury)	At Station street. Bitulithic. Laid by John F. Beatty	1	က	1914	
Hamilton street (Dorchester)	Each side of Bowdoin street. Aztee asphalt. Laid by Bernudez Company,	39	132	1919	May 9, 1924.
Hamlet street (Dorchester)	Belden street to Columbia road. Trinidad asphalt. Laid by Central Construction Company.	409	606	1915	
Hamlin street (South Boston)	East Eighth street to Columbia road. Topeka. Laid by John T. Shea, Jr.,	566	772	1920	Sept. 28, 1925.
Hammond street (city proper)	Shawmut avenue to Tremont street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	1,115	4,214	1912	
Hampshire street (Roxbury)	Ruggles street to Whittier street. Mack brick block. Laid by J. E. Burns & Co.	362	1,050	1909	
Hampshire street (Roxbury)	Whittier street to Vernon street. Mack brick block. Laid by J. E. Burns & Co.	364	1,055	1909	
Hampshire street (Roxbury)	Vernon street to Linden Park street. Mack brick block. Laid by J. E. Burns & Co.	645	1,864	1909	
Hampstead road (West Roxbury)	Arborway to 1,000 feet northwest of Arborway. Topeka. Laid by John Kelly Company.	1,000	3,250	1919	Oct. 29, 1924.
Hancock street (city proper)	Mt. Vernon street to 4 feet north of Mt. Vernon street. Mack brick block.	4	14	1901	

List of Streets Having a Smooth Pavement.—Continued.

STREETS.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Hancock street (city proper)	4 feet north of Mt. Vernon street to 7 feet south of Cambridge street. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	928	2,383	1902	
Hancock street (Dorchester)	At Columbia road (west road). Bitulithic (macadam base). Laid by Warren Brothers Company.	:	281	1915	
Hancock street (Dorchester)	Columbia road to 345 feet northwest of DeWolf street (not including next iten). Mack brick block. Laid by Central Construction Company.	2,199	9,189	1910-11	
Hancock street (Dorchester)	(East side) 73 feet north of Howe street to 88 feet north of Cameron street, Concrete road. Laid by city force.		408	1918	
Hancock street (Dorchester)	At Bowdoin street. Mack brick block. Laid by Central Construction Company.	:	202	1913	
Hancock street (Dorchester)	345 feet northwest of DeWolf street to 19 feet west of Dorchester avenue. Bessemer briek block. Jaid by Fred S. & A. D. Gore Corporation.	1,416	5,684	1911	
Hanover avenue (city proper)	Hanover street to North street. Aztee asphalt. Laid by Bermudez Company.	300	306	1919	
Hanover street (city proper)	(West side) Tileston street, across Charter street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	315	425	1907	
Hanover street (city proper)	(East side) Tileston street, across Charter street. Sicilian rock asphalt. Laid by Poston Asphalt Company.		323	1896	
Hanson street (city proper)	At Tremont street. Asphalt. Laid by B. E. Grant Company	16	09	1920	Sept. 18, 1925.
Harold street (Roxbury)	At Seaver street. Acme asphalt (macadam base). Laid by Warren Brothers Company.	20	93	1917	Sept. 17, 1922.
Harris avenue (West Roxbury)	At Centre street. Bitulithic. Laid by Warren Brothers Company	61	7.0	1913	
Harris street (eity proper)	Hanover street to 10 feet east of Hanover street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	10	11	1896	

Harris street (city proper)	10 feet east of Hanover street to 9 feet west of North street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	281	352	1904	
Harrison avenue (eity proper)	22 feet south of Kneeland street to 22 feet north of Harvard street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	349	885	1899	
Harrison avenue (city proper)	Bridge over Boston & Albany Railroad. Pine wood block. Laid by Central Construction Company. Maintained by railroad company.	23	177	1915	
Harrison avenue (city proper)	Asylum street, across Davis street. Aztee asphalt. Laid by Bernudez Company.	160	302	1918	**
Harrison avenue (city proper)	Northerly side of Decatur street, across Gloucester place. Aztec asphalt. Laid by Bernudez Company.	144	569	1918	++
Harrison avenue (city proper)	Brow to track at Union Park street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	:	12	1913	
Harrison avenue (city proper)	At Union Park street. Acme asphalt. Laid by Fred S. & A. D. Gore Corporation.	:	140	1913	
Harrison avenue (city proper)	North side of Union Park street, across Malden street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	248	433	1902-03	
Harrison avenue (city proper)	Malden street to East Dedham street. Acme asphalt. Laid by Warren Brothers Company.	385	918	1909	
Harrison avenue (city proper)	East Newton street to 6 feet north of East Springfield street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	922 {	825 1,716	1888 1895	
	At Worcester street. Mexican asphalt. Laid by Central Construction Company.		123	1919	Nov. 11, 1924.
Harrison avenue (city proper)	7 feet south of East Springfield street to 104 feet south of East Springfield street (east side). Trinidad asphalt. Laid by Barber Asphalt Paving Company.		140	1888	
Harrison avenuc (city proper)	6 feet north of East Springfield street to Northampton street, not including 7 feet south of East Springfield street to 104 feet south of East Springfield street (cast side). Bitultilic (crushed stone base). Laid by Warren Brothers Company.	508	1,174	1905	
Harrison avenue (city proper)	Northampton street to East Lenox street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	427	1,090	1903	

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Harrison avenue (Roxbury)	At Dudley street. Pine wood block. Laid by James Doherty	16	72	1912	
Harvard avenue (Brighton)	19 feet south of Cambridge street to Brighton avenue. Bitultine, Land by Coleman Brothers. Pine wood block (between tracks and brows to tracks). Laid by Coleman Brothers.	} 843 {	2,594	1914 1914	
Harvard avenue (Brighton)	Brighton avenue to north street line of Commonwealth avenue. Stufftline. Laid by Coleman Brothers. Pine wood block (between tracks and brows to tracks). Laid by Coleman Brothers.	884	3,211 600	1914 1914	
Harvard avenue (Brighton)	North side of Commonwealth avenue to south side of Commonwealth avenue. Mexican asphalt (Telford macadem base). Laid by Central Construction Company.	180	635	1917–18	May 21, 1923.
Harvard avenue (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	16	06	1912	
Harvard avenue (Hyde Park)	Hyde Park avenue to 92 feet south of Hyde Park avenue. Topeka. Laid by Martino DeMatteo.	85	206	1921	May 12, 1926.
Harvard avenue (Hyde Park)	92 feet south of Hyde Park avenue to 128 feet south of Hyde Park avenue. Topeka (macadam base). Laid by Martino DeMatteo.	36	123	1921	May 12, 1926.
Harvard avenue (Hyde Park)	S3 feet north of River street to River street. Topeka (macadam base). Laid by Central Construction Company.	SS	305	1921	Sept. 9, 1926.
Har♥ard Bridge (city proper)	Boston side of draw to 270 feet west of southerly abutment. Jennison Wright slab paving. Laid by Rowe Contracting Company.	208	4,001	1919	**
Harvard Bridge (eity proper)	270 feet west of southerly abutment to southerly abutment. Jennison Wright slab paving. Laid by Rowe Contracting Company.	270	1,540	1919	**
Harvard square (Charlestown)	At Harvard street. Aztee asphalt (macadam base). Laid by Bermudez Company.	15	46	1918	June 8, 1923.

Harvard street (Charlestown)	Harvard street (Charlestown) 4 feet south of Harvard square to 17 feet south of Devens street. Aztec applianced and basely. Laid by Bermudez Company.	443	1,270	1918	June 8, 1923.	er.
Harvard street (city proper)	Washington street 9 feet west of Harrison avenue. Fine wood block. Laid by J. H. McCarthy.	401	844	1910		
Harvard street (Dorchester)	At Washington street, Pine wood block. Laid by William J. Barry	10	92	1912		
Harvard street (Dorchester)	41 feet north of Fabyan street to 54 feet south of Brookview street. Topeka. Laid by Rowe Contracting Company.	652	2,452	1920	June 1, 1925.	٠ <u>.</u>
Harwood street (Dorchester)	Willowwood street to Lucerne street. Trinidad asphalt. Laid by James Doherty.	723	2,112	1916		
Haskins street (Roxbury)	Ruggles street to 6 feet south of Ruggles street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	14	1907		
Haskins street (Roxbury)	6 feet north of Vernon street to Vernon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	13	1907		
Hastings street (West Roxbury)	Centre street to 10 feet north of Centre street. Topeka. Laid by Rowe Contracting Company.	10	31	1921	Aug. 26, 1926.	
Hastings street (West Roxbury)	10 feet north of Centre street to 56 feet north of Centre street. Topeka (macadam base). Laid by Rowe Contracting Company.	46	102	1921	Aug. 26, 1926.	9.
Hastings street (West Roxbury)	10 feet south of Centre street to Centre street. Topeka. Laid by Rowe Contracting Company.	10	31	1921	Aug. 26, 1926.	9.
Havelock street (Dorchester)	Blue Hill avenue to Morton street. Topeka, Laid by Rowe Contracting Company.	199	1,958	1920	July 28, 1925.	ı.
Haviland street (Roxbury)	At Massachusetts avenue Sicilian rock asphalt. Laid by Boston Asphalt Company.	5	14	1901		
Hawes street (city proper)	Congress street to 8 feet east of Congress street. Pine wood block. Laid by Coleman Brothers Inc.	oo.	7	1921	Nov. 19, 1926.	·:
Hawes street (city proper)	S feet cast of Congress street to S feet west of Kilby street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	242	238	1904		
Hawes street (city proper)	8 feet west of Kilby street to Kilby street. Aztec asphalt. Laid by James Doherty.	∞	6	1919	++	

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Hawley street (city proper)	At Summer street. Pine wood block. Laid by Northern Construction Company.	× ×	25	1915	
Hayward place (city proper)	Washington street to 9 feet east of Washington street. Pine wood block. Laid by Bernard E. Grant.	6	20	1917	Nov. 4, 1922.
Hayward place (city proper)	9 feet east of Washington street to Harrison avenue. Acme asphalt. Laid by Boston Paving Company. Asphalt. Laid by the Bernudez Company.	251	87	1913	++
Heath street (Roxbury)	16 feet north of Bromley street to Parker street. Soilamies concrete. Laid by eity forces.	220	836	1921	
Heath street (Roxbury)	Parker street to 7 feet north of Lawn street and from 72 feet north of Lawn street to 86 feet south of South Huntington avenue. Mack brick block. Laid by Field, Barker & Underwood, Inc.	3,045	12,627	1910	
Helen street (Dorchester)	7 feet west of Bernard street to 17 feet east of Talbot avenue. Trinidad asplaalt. Laid by James Doherty.	331	1,003	1915	
Helen street (Dorchester)	15 feet east of Talbot avenue to Talbot avenue. Mack brick block. Laid by James Doherty.	15	93	1911	
Hemenway street (Roxbury)	At Boylston street. Bitulithic. Laid by Warren Brothers Company	ũ	25	1905	
Hemenway street (Roxbury)	At Huntington avenue. Asphalt concrete (macadam base). Laid by Andrews Construction Company.	45	390	1921	July 8, 1926.
Hendry street (Dorchester)	At Bowdoin street. Topeka (macadam base). Laid by city force	20	104	1918	
Henry street (East Boston)	At Maverick square. Aztec asphalt. Laid by Bermudez Company	10	34	1917	Dec. 15, 1922.
Henshaw street (Brighton)	At Cambridge street. Bitulithic. Laid by Warren Brothers Company Bitulithic (macadam base). Loid by Warren Brothers Company	} 25 {	274 220	1913 1919	Sept. 4, 1924.
Henshaw street (Brighton)	46 feet east of Market street to Market street. Simasco. Laid by Simpson Brothers Corporation.	46	111	1921	June 20, 1926.

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			Dec. 24, 1923.	May 5, 1926.	Dec. 24, 1923.			June 25, 1922.	June 28, 1926.	Sept. 22, 1925.	May 21, 1923.			Aug. 12, 1924.	Nov. 15, 1922.	
1903	1914	1907	1918	1920	1918	1911	1915	1917	1921	1920	1917	1911	1921	1919	1917	1891
31	28	12	28	56	28	53	23	1,507	18	112	82	856	9	27	က	478
7	9	က	10	∞	10	∞	7	518		44	ø	226	က	6	1	254
Each side of Newbury street. Pine wood block. Laid by Patrick McGovern,	Each side of Marlborough street. Bitulithic. Laid by James Doherty	At Beacon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	At North Beacon street. Bitulithic. Laid by Warren Brothers Company.	At Centre street. Asplialt (macadam base). Laid by the Bermudez Company.	At North Beacon street. Bitulithic. Laid by Warren Brothers Company	At Hancock street. Bessemer brick block. Laid by Fred S. & A. D. Gore Corporation.	Elgin street to 7 feet south of Elgin street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	7 feet south of Elgin street to Temple street. Mexican asphalt. Laid by Central Construction Company.	At Pontiac street. Asphalt concrete. Laid by John McCourt Company	At Pleasant street. Topeka (macadam base). Laid by Central Construction Company.	Commonwealth avenue to 8 feet south of Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	S feet south of Commonwealth avenue to Cummington street. Mack brick block. Laid by Fred S. & A. D. Gore Corporation.	At Brooks street. Asphalt (macadam base). Laid by city forces	At Centre street. Topeka (macadam base). Laid by Rowe Contracting Company.	Tremont street to I foot east of Tremont street. Pine wood block. Laid by Bernard E. Grant.	7 feet cast of Tremont street toward Washington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.
Hereford street (city proper)	Hereford street (city proper)	Hereford street (city proper)	Herrick street (Brighton)	Hewlett street (West Roxbury)	Hichborn street (Brighton)	High street (Dorchester)	Hillcrest street (West Roxbury)	Hillcrest street (West Roxbury)	Hillside street (Roxbury)	Hinckley street (Dorchester)	Hinsdale street (Roxbury)	Hinsdale street (Roxbury)	Hobart street (Brighton)	Holbrook street (West Roxbury)	Hollis street (city proper)	Hollis street (city proper)

List of Streets Having a Smooth Pavement.—Continued.

Мтнеетв.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Holden street (Dorchester)	S feet west of Columbia road to 416 feet west of Columbia road. Mexican asnhalt. Laid by Martino DeMatteo.	408	1,089	1919	July 11, 1924.
Holiday street (Dorchester)	Each side of Geneva avenue. Topeka (macadam base). Laid by department forces.	П	7	1920	
Holton street (Brighton)	Everett street to Antwerp street. Acme asphalt. Laid by John F. Lynch	694	2,007	1919	July 31, 1924.
Holyoke street (city proper)	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	G	34	1906-07	
Homes avenue (Dorchester)	Each side of Geneva avenue. Topeka (macadam base). Laid by departmont forces.	¢1	6	1920	
Homestead street (Roxbury)	Elm Hill avenue to Humboldt avenue. Mexican asphalt. Laid by Central Construction Company.	1,123	3,253	1917	July 18, 1922.
Hopestill street (Dorchester)	3 feet south of Aspinwall road to 8 feet south of Aspinwall road. Barrington brick block. Laid by Charles J. Jacobs Company.	r3	14	1907	
Hopestill street (Dorchester)	10 feet south of Aspinwall road to 6 feet north of Southern avenue. Trinidad asphalt. Laid by Charles J. Jacobs Company.	302	872	1915	
Howe street (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	53	1910	
Howes street (Dorchester)	At Pleasant street. Topeka (macadam base). Laid by Central Construction Company.	38	68	1920	Sept. 22, 1925.
Howland street (Roxbury)	231 feet west of Humboldt avenue to 6 feet east of Harold street. Bitulithic. Laid by John F. Beatty.	422	1,219	1915	
Hubert street (Roxbury)	8 feet west of Shawmut avenue to 3 feet east of Westminster street. Aztee asphalt. Laid by Central Construction Company.	444	1,282	1916	
Hubert street (Roxbury)	3 feet east of Westminster street to Westminster street. Topeka. Central Construction Company.	8	10	1919	June 24, 1924.

Hudson street (eity proper)	7 feet south of Beach street to 7 feet north of Kneeland street. Mexican asphalt. Laid by Central Construction Company.	306	816	1917	**
Hudson street (eity proper)	7 feet south of Kneeland street to 6 feet north of Harvard street. Mexican asphalt. Laid by Central Construction Company.	358	955	1917	**
Hudson street (eity proper)	6 feet south of Harvard street to 82 feet north of Curve street. Mexican asphalt. Laid by Central Construction Company.	822	2,192	1917	**
Humboldt avenue (Roxbury)	At Seaver street. Aeme asphalt (macadam base). Laid by Warren Brothers Company.	21	06	1917	Sept. 17, 1922.
Hunnewell avenue (Brighton)	At Atkins street. Mexican asphalt. Laid by Central Construction Company.	1.	18	1917	July 18, 1922.
Huntington avenue (city proper)	At Boylston street (east side). Bitulithie. Laid by Coleman Brothers. Trinidad asphalt. Laid by Barber Asphalt Paving Company.		444 302	1914 1901	
Huntington avenue (eity proper)	Boylston street to 159 feet south of Boylston street (west side). Pine wood block. Laid by Coleman Brothers.	159	982	1914	
Huntington avenue (city proper)	At St. James avenue. Bitulithie. Laid by James Doherty	100	578	1912	
Huntington avenue (eity proper)	At St. James avenue and Dartmouth street. Bitulithie. Laid by Boston Elevated Railway Company.	40	328	1914	
Huntington avenue (eity proper)	At Dartmouth street. Acme asphalt. Laid by Warren Brothers Company,		180	1912	
Huntington avenue (city proper)	159 feet south of Boylston street to 9 feet south of Dartmouth street. Trinidad asphalt. Laid by Barber Asphalt Paving Company. Bitulithic. Laid by Boston Elevated Railway Company.	325 {	2,570	1901 1914	
Huntington avenue (city proper)	9 feet south of Dartmouth street to 84 feet north of bridge over Boston & Abany Railroad. Bitalithie (erushed stone base). Laid by Warren Brothers Company.	009	3,350	1906	
Huntington avenue (city proper)	84 feet north of bridge over Boston & Albany Railroad to bridge over Boston & Albany Railroad. Bitulithic. Laid by Warren Brothers Company.	84	490	1909	
Huntington avenue (eity proper)	At Exeter street. Bitulithie. Laid by Boston Elevated Railway Company,	:	101	1914	
Huntington avenue (city proper)	Bridge over Boston & Albany Railroad. Pine wood block. Laid by Central Construction Company.	93	633	1916	

List of Streets Having a Smooth Pavement.--Continued.

Spreets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.	ty.
Huntington avenue (city proper)	Bridge over Boston & Albany Railroad to 70 feet south of bridge over Boston & Albany Railroad. Trinidad asphalt. Laid by Simpson Brothers	70	434	1909		
Huntington avenue (eity proper)	Corporation. 70 feet south of bridge over Boston & Albany Railroad to north side of Cumberland street, minus 685 feet north of West Newton street to 38 feet north of West Newton street (west roadway). Sieilian rock asphalt, Laid by Boston Asphalt, Company.	1,520	6,635	1896		
Huntington avenue (city proper)	685 feet north of West Newton street to 38 feet north of West Newton street (west roadway). Trinidad asphalt. Laid by Barber Asphalt Paving Company.	:	1,831	1907		
Huntington avenue (Roxbury)	North side of Cumberland street to 10 feet north of Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	737	4,083	1896		
Huntington avenue (Roxbury)	9 feet south of Massachusetts avenue to 8 feet north of Gainsborough street. Sieilian rock asphalt. Laid by Bostou Asphalt Company.	573	3,055	1896		
Huntington avenue (Roxbury)	8 feet north of Gainsborough street to tangent of eurb west side Huntington Entrance. Asphalt concrete (Telford macadam base). Laid by Andrews Construction Company.	1,855	5,543	1921	July 8,	8, 1926.
Huntington avenue (Roxbury, south side).	At Jamaicaway. Bitulithie (Telford macadam base). Laid by Warren Brothers Company.		450	1920	Aug. 21, 1925.	1925.
Hyde Park avenue (Hyde Park)	40 feet north of tangent (north side) Metropolitan avenue (west) to tangent (north side) Metropolitan avenue (west). Topeka. Laid by Martino	:	21	1921	May 12, 1926.	1926.
	Denka (macadam base). Laid by Martino DeMatteo	40	95	1921	May 12, 1926.	1926.
Hyde Park avenue (Hyde Park)	Hyde Park avenue (Hyde Park) Tangent (north side) Metropolitan avenue (west) to 9 feet north of River street. Topeka. Laid by Martino DeMattee.	5,445	23,329	1921	May 12, 1926.	1926.
Hyde Park avenue (Hyde Park)	9 feet north of River street to 13 feet south of River street. Topeka (macadam base). Laid by Central Construction Company.	59	244	1921	Sept. 9, 1	9, 1926.

	June 11, 1924	June 11, 1924.		May 21, 1923.		Sept. 4, 1924.	Aug. 2, 1926.	++				May 26, 1924.		
1921	1919	1919	1910	1917	1915	1919	1921	1917	1916	1898	1915	1919	1909	1911
693	88	87	914	38	1,046	25	1,254	2,123	۲۰	267	35	1,732	30	50
	83	133	242	17	362	12	620	553	ଚୀ	61	7	591	D	œ
Hyde Park avenue (West Roxbury) In easterly car track, Walk Hill street to Patten street. Grouted concrete.	23 feet north of Emerson street to Emerson street. Bitulithic. Laid by Warren Brothers Company.	East Broadway to 23 feet south of East Broadway. Bitulithic. Laid by Warren Brothers Company.	23 feet south of East Broadway to 8 feet north of East Fourth street. Trinidad aspnalt. Laid by Barber Asphalt Paving Company	Commonwealth avenue to 17 feet south of Commonwealth avenue. Mexican asphalt (macadam hase). Laid by Central Construction Company.	17 feet south of Commonwealth avenue to 7 feet north of Brainerd road. Bitulithic. Laid by Charles J. Jacobs Company.	At Cambridge street. Bitulithic (macadam base). Laid by Warren Brothers Company.	Cambridge street to Allston street playground. Asphalt concrete. Laid by Charles M. Callahan.	9 feet cast of Milk street to angle near Export street. Mexican asphalt. Laid by Central Construction Company.	Each side of Normandy street. Aztee asphalt. Laid by Central Construction Company.	Bridge over waterway. Sieilian rock asphalt. Laid by Boston Asphalt Company.	Callender street to 7 feet south of Callender street. Trinidad asphalt	7 feet south of Callender street to Woodrow avenue. Bitulithic. Laid by Warren Brothers Company.	At Huntington avenue. Trinidad asphalt. Laid by Simpson Brothers Corporation.	At Arlington street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.
Hyde Park avenue (West Roxbury)	I street (South Boston)	I street (South Boston)	I street (South Boston)	Idlewild street (Brighton)	Idlewild street (Brighton)	Imrie street (Brighton)	Imric road (Brighton)	India street (city proper)	Intervale street (Dorchester)	Ipswich street (Roxbury)	Irma street (Dorchester)	Irma street (Dorchester)	Irvington street (city proper)	Isabella street (city proper)

List of Streets Having a Smooth Pavement.—Continued.

	List of Streets Having a Singoth Lavellicht. Confined.				
Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Islington street (Brighton)	At Brighton avenue. Bitulithic (macadam base). Laid by Warren Brothers Company.	10	55	1919	Sept. 4, 1924.
James street (city proper)	Each side of East Newton street. Aztee asphalt (macadam base). Laid by Bernudez Company.	17	64	1919	April 23, 1924.
Jerome street (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	57	1911	12
Joiner street (Charlestown)	Park street to Chelsea street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	161	413	1906	
Jones avenue (Dorchester)	Mascotstreet to Ballou avenue. Trinidad asphalt. Laid by James Doherty,	984	2,834	1916	
Jones avenue (Dorchester)	At Wollaston terrace. Topeka. Laid by Rowe Contracting Company	:	21	1920	July 29, 1925.
Josephine street (Dorchester)	At Geneva avenue. Topeka (macadam base). Laid by department forces,	1	9	1920	
Joy street (city proper)	Beacon street to 12 feet north of Beacon street. Topeka (macadam base). Laid by Bernard E. Grant.	12	28	1917	Nov. 15, 1922.
Justin road (Brighton)	Bigelow street to 7 feet east of Atkins street. Mexican asphalt. Laid by Central Construction Company.	466	1,369	1919	April 29, 1924.
Justin road (Brighton)	7 feet east of Atkins street to Atkins street. Mexican asphalt. Laid by Central Construction Company.	۲-	18	1917	July 18, 1922.
K street (South Boston)	Each side of East Broadway. Bitulithic. Laid by Warren Brothers Company.	30	106	1919	June 11, 1924.
K street (South Boston)	Each side of East Fourth street. Pine wood block. Laid by John E. Quinn,	32	127	1920	May 24, 1925.
K street (South Boston)	East Fourth street to East Sixth street. American rock asphalt. Laid by Jones & Meehan.	593	2,088	1906	
K street (South Boston)	East Sixth street to East Eighth street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	266	1,083	1896	

Kemp street (South Boston)	Kemp street (South Boston) At Dorchester avenue. Pine wood block. Laid by William J. Barry	10	30	1919	Aug. 21, 1924.	324.
Kennard avenue (city proper)	At Poplar street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	-	က	1887		
Kennard avenue (city proper)	At Allen street. Mexican asphalt. Laid by Central Construction Company,	61	41	1917	++	
Kenneth street (West Roxbury)	At Beech street. Topeka. Laid by Rowe Contracting Company	10	31	1920	May 4. 1926,)26,
Kenney strect (Roxbury)	Day street to 503 feet west of Day street. Trinidad asphalt. Laid by James Doberty.	503	1,113	1915		
Kent street (Roxbury)	Roxbury street to Vernon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	440	933	1911		
Kenton road (West Roxbury)	Washington street to 839 feet east of Washington street. Topeka. Laid by Rowe Contracting Company.	839	1,900	1919	Dec. 6, 1924.	324.
Kenwood street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	30	1913		
Kerwin street (Dorchester)	At Talbot avenue (crosswalk), Barrington brick block, Laid by James Doherty Mack brick block, Laid by James Doherty	တက္	51	1907 1911		
Kilby street (city proper)	Milk street to 7 feet north of Milk street. Pine wood block. Laid by James Doherty.	1-	83	1910		
Kilby street (city proper)	7 feet north of Milk street to 9 feet south of State street. Pine wood block. Laid by James Doherty.	624	3,273	1919	Oct. 10, 1924.	324.
King street (Dorchester)	At Florida street. Topeka (macadam base). Laid by city force		7	1919		
King street (Dorchester)	At Dorchester avenue. Pine wood block. Laid by Gore, Inc.	11	54	1921	Nov. 16, 1926.	926.
Kingston street (city proper)	Summer street to 6 feet south of Summer street. Pine wood block. Laid by Northern Construction Company.	9	18	1915		
Kingston street (city proper)	6 feet south of Essex street to 7 feet north of Beach street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	624	1,828	1910		
Kirkland street (city proper)	10 feet south of Broadway toward Corning street. Acme asphalt. Laid by Warren Brothers Company.	361	519	1909		

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Kittredge street (West Roxbury)	Cornell street to Beech street. Bitulithic. Laid by Charles J. Jacobs Company.	547	1,588	1916	
L street (South Boston)	Each side of East Fourth street. Pine wood block. Laid by John E. Quinn,	17	58	1920	May 24, 1925.
Laconia street (city proper)	Washington street to Harrison avenue. Mexican asphalt Laid by Central Construction Company.	314	687	1917	++
La Grange street (city proper)	Tremont street to 10 feet east of Tremont street. Pine wood block. Laid by Bernard E. Grant.	10	20	1917	Nov. 15, 1922.
La Grange street (city proper)	10 feet east of Tremont street to 303 feet west of Washington street. Asphalt. Laid by Rowe Contracting Company.	171	341	1921	++
La Grange street (West Roxbury)	SS feet east of Centre street to 11 feet east of Centre street. Topeka (macadam base). Laid by Rowe Contracting Company.	22	327	1921	Aug. 26, 1926.
La Grange street (West Roxbury)	11 feet east of Centre street to Centre street. Topeka. Laid by Rowe Contracting Company.	=	2.2	1921	Aug. 26, 1926.
La Grange street (West Roxbury)	Centre street to 36 feet west of Centre street. Topeka. Laid by Rowe Contracting Company.	36	178	1921	Aug. 26, 1926.
La Grange street (West Roxbury)	36 feet west of Centre street to 115 feet west of Centre street	62	293	1921	Aug. 26, 1926.
Lake street (Brighton)	At Commonwealth avenue. Mexican asphalt Telford (macadam base). Laid by Central Construction Company.	16	28	1918	May 21, 1923.
Lamartine street (West Roxbury)	At Green street. Topeka (macadam base). Laid by Central Construction Company.	9	23	1921	June 3, 1926.
Lamont street (Roxbury)	At Linden Park and Vernon streets. Mack brick block. Laid by J. E. Burns & Co.	14	25	1909	
Lawn street (Roxbury)	At Heath street. Mack brick block. Laid by Field, Barker & Underwood, Inc.	00	32	1910	

			June 8, 1926.	July 8, 1925.			Nov. 24, 1924.		Nov. 11, 1924.		June 20, 1926.		Dec. 7, 1922.	Dec. 7, 1922.
1906	1914	1901	1921	1919	1920	1915	1919	1906	1919	1897	1921	1905	1917	1917
6	14	1,014	24	31	1-	1,090	2,019	C1	12	292	151	44	22	22
4	S	385	8	10	-	374	689	-	∞	202	46	-	10	10
Lawrence street (city proper) At Berkeley street. Bitulithic. Laid by Warren Brothers Company	Each side of Clarendon street. Bitulithic. Laid by Warren Brothers Company.	East side of Lawrence avenue, across Miller street. Sicilian rock asphalt. Laid by Jones & Mechan.	At Arlington street. Simasco. Laid by Simpson Brothers Corporation	At Washington street. Bitulithie (macadam base). Laid by Warren Brothers Company.	At Geneva avenue. Topeka (macadam base). Laid by department forces	Dix street to Centre street. Trinidad asphalt. Laid by D. M. Biggs & Co.,	Geneva avenue to Topliff street. Aztec asphalt. Laid by McGuire & McGourty.	At Moon street. Bitulithic. Laid by Warren Brothers Company	Worcester street to 8 feet south of Worcester street. Mexican asphalt. Laid by Central Construction Company.	S feet south of Worcester street to West Springfield street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Market street to 46 feet east of Market street. Simasco. Laid by Simpson Brothers Corporation.	At Thomas park. Bitulithic. Laid by Warren Brothers Company	10 feet north of Brighton avenue to Brighton avenue. Aztec asphalt (macadam base). Laid by Bermudez Company.	Brighton avenue to 10 feet south of Brighton avenue. Aztec asphalt (macadam base). Laid by Bernudez Company.
Lawrence street (city proper)	Lawrence street (city proper)	Lawrence street (Charlestown)	Leicester street (Brighton)	Leicester street (Brighton)	Leroy street (Dorchester)	Leslie street (Dorchester)	Levant street (Dorchester)	Lewis street (city proper)	Lincoln place (city proper)	Lincoln place (city proper)	Lincoln street (Brighton)	Linden street (South Boston)	Linden street (Brighton)	Linden street (Brighton)

List of Streets Having a Smooth Pavement.-- Continued.

Strbets.	Lamits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Linden street (Brighton)	22 feet north of Commonwealth avenue to Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	22	125	1917	May 21, 1923.
Linden Park street (Roxbury)	12 feet east of Cabot street to 4 feet east of Elmwood street. Mack brick block. Laid by J. E. Burns & Co.	1,015	3,242	1909	
Lingard street (Dorchester)	Magnolia street to Hartford street. Bitulithic. Laid by James Doherty,	594	1,791	1915	
Lithgow street (Dorchester)	Wainwright street to Talbot avenue. Mexican asphalt. Laid by Central Construction Company.	683	2,042	1917	May 30, 1922.
Lithgow street (Dorchester)	At Washington street. Topeka (macadam base). Laid by Warren Brothers Company.	10	34	1918	Sept. 25, 1923.
Lochstead avenue (West Roxbury)	At Centre street. Asphalt concrete. Laid by B. E. Grant Company	8	26	1921	Unfinished.
Long avenue (Brighton)	6 feet north of Commonwealth avenue to 17 feet north of Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	11	31	1918	May 21, 1923.
Long avenue (Brighton)	16 feet north of Commonwealth avenue to Allston street. Trinidad asphalt. Laid by Central Construction Company.	260	2,578	1914	
Longwood avenue (Roxbury)	51 feet north of Huntington avenue to 9 feet south of Brookline avenue. Mack brick block. Laid by Field, Barker & Underwood, Inc.	2,078	7,850	1910	
Lonsdale street (Dorchester)	At Florida street. Topeka (macadam base). Laid by city forces	42	121	1919	
Lorette strect (West Roxbury)	Centre street to 5 feet north of Centre street. Topeka. Laid by Rowe Contracting Company.	ro	17	1921	Aug. 26, 1926.
Lorette street (West Roxbury)	5 feet north of Centre street to 18 feet south of Hillcrest street. Aztec asphalt. Laid by Central Construction Company.	484	1,393	1917	July 10, 1922.
Lorette street (West Roxbury)	18 feet south of Hillorest street to Hillcrest street. Mexican asphalt. Laid by Central Construction Company.	18	52	1917	June 25, 1922.

1917 Oct. 15, 1922.	1921 June 20, 1926.	1917-18 Aug. 2, 1923.	1913	1902	1898	1898	1915	1915	1919 Oct. 20, 1924.	1913	1906	1920 May 24, 1925.	1915	1910		1919
1,880	23	29	525	81	61	73	254	38	2,357	30	457	30	656	30	629	1
949	11	20	306	86	7	63	322	7	805	10	294	2	292	10	139	
Harvard street to 646 feet northwest of Harvard street. Mexican asphalt. Laid by Central Construction Company.	At Market street. Simaseo. Laid by Simpson Brothers Corporation	At Neptune road. Mexican asphalt. Laid by Central Construction Company.	. 8 feet cast of Washington street to 8 feet west of Harrison avenue. Acme asphalt. Laid by James Doherty.	. Middlesex street to 2 feet north of Shawmut avenue. Asphalt blocks	2 feet north of Shawmut avenue to Shawmut avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	Shawmut avenue to 2 feet south of Shawmut avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	. 10 feet south of Shawmut avenue to 9 feet north of Washington street. Scoria block. Laid by Paving Service.	Callender street to 7 feet south of Callender street. Trinidad asphalt. Laid by D. M. Biggs & Co.	7 feet south of Callender street to Woodrow avenue. Aztee asphalt. Laid by Bernudez Company.	At Washington street. Pine wood block. Laid by William J. Barry	Cooper street to Thacher street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	At Emerson street. Pine wood block. Laid by John E. Quinn	Western avenue to Waverly street. Bitulithic. Laid by A. H. Archer	At Dudley street. Mack brick block. Laid by James Doherty	Boston & Maine Bailroad to Somerville line - Concrete road - Laid by eite	force.
Lorne street (West Roxbury)	Lothrop street (Brighton)	Lovell street (East Boston)	Lovering street (city proper)	Lucas street (eity proper)	Lucas street (eity proper)	Lucas street (city proper)	Lucas street (city proper)	Lucerne street (Dorchester)	Lucerne street (Dorchester)	Lyndehurst street (Dorchester)	Lynn street (eity proper)	M street (South Boston)	Mackin street (Brighton)	Magazine street (Roxbury)	Main street (Charlestown)	

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Malcolm street (eity proper)	Pinckney street to Mt. Vernou street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	312	244	1912	
Maleolm street (city proper)	54 feet south of Mt. Vernon street to 8 feet north of Chestnut street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	200	150	1892	
Malden street (city proper)	12 feet cast of Washington street to Ifarrison avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	519	1,501	1902	
Mall street (Roxbury)	At Dearborn street. Aeme asphalt. Laid by Warren Brothers Company. Bessener brick block gutters. Laid by Warren Brothers Company	} 01 {	#50	1916 1916	Nov. 20, 1922. Nov. 20, 1922.
Mallet street (Dorchester)	At Florida street. Topeka (macadam base). Laid by eity force	œ	20	1919	
Malvern street (Brighton)	At Brighton avenue. Aztec asphalt (macadam base). Laid by Bermudez Company.	10	55	1917	Dec. 7, 1922.
Mansfield street (Brighton)	Easton street to 7 feet south of Easton street. Asphalt. Laid by John J. Lane.	-1	55	1920	Nov. 20, 1925.
Mansfield street (Brighton)	7 feet south of Easton street to 34 feet south of Easton street. Asphall (macadam base). Laid by John J. Lane.	27	51	1920	Nov. 20, 1925.
Manthorne road (West Roxbury)	Centre street to 53 feet north of Centre street. Topeka. Laid by Rowe Contracting Company.	53	155	1921	July 26, 1926.
Maple street (Roxbury)	At Seaver street. Acme asphalt (macadam base). Laid by Warren Brothers Company.	20	4 2	1917	Sept. 17, 1922.
Maple street (West Roxbury)	Centre street to 11 feet north of Centre street. Topcka. Laid by Rowe Contracting Company.	==	35	1921	Aug. 26, 1926.
Maple street (West Roxbury)	Maple street (West Roxbury) 11 feet north of Centre street to 46 feet north of Centre street. Topeka (macadam base). Laid by Rowe Contracting Company.	35	001	1921	Aug. 26, 1926.

78 1921 Sept. 9, 1926.	88 1921 June 20, 1926.	17 1907-8	1,084 1919 May 27, 1924.	23 1919 Dec. 6, 1924.	82 1921 July 19, 1926.	4,424 1921 June 20, 1926.	12,046 1921 June 20, 1926.	21 1913 1 1913	60 1901	4,904 1901	40 1905	2,300 1914	2,359 1914	2,616 1914
	36	:	375	-	21	1,287	3,593 1	61	15		10	575	591	099
River street to 18 feet south of River street. Topeka (macadam base). Laid by Central Construction Company.	36 feet east of Market street to Market street. Simasco. Laid by Simpson	Mack brick block gutters. Laid by Coyle & Clark	Westnuinster street to Warwick street. Topeka. Laid by Central Construction Company.	At Amory street. Mexican asphalt (macadam base). Laid by Central Construction Company.	Each side of Chelsea street. Asphalt concrete (macadam base). Laid by Coleman Brothers, Inc.	Western avenue to bridge over Boston & Albany Railroad. Simasco. Laid by Simpson Brothers Corporation.	Bridge over Boston & Albany Railroad to 2 feet north of Washington street. Sinasco. Laid by Sinpson Brothers Corporation.	2 feet north of Washington street to Washington street. Bituithic. Laid by Warren Brothers Company	Arlington street to 15 feet west of Arlington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	15 feet west of Arlington street to 10 feet east of Clarendon street. Sicilian 1,226 rock asphalt. Laid by Boston Asphalt Company.	10 feet east of Clarendon street to Clarendon street. Bitulithic. Laid by Warren Brothers Company.	Clarendon street to Dartmouth street. Bitulithic (macadam base). Laid by James Doherty.	Dartmouth street, aeross Exeter street. Bitulithic (macadam base). Laid by James Doherty.	Exeter street, across Fairfield street. Bitulithic (macadam base). Laid by James Doberty.
Maple street (Hyde Park)	Mapleton street (Brighton)		Marble street (Roxbury)	Marbury terrace (Roxbury)	Marion street (East Boston)	Market street (Brighton)	Market street (Brighton)	Market street (Brighton)	Marlborough street (city proper)	Marlborough street (city proper)	Marlborough street (city proper)	Marloorough street (city proper)	Marlborough street (city proper)	Marlborough street (city proper)

List of Streets Having a Smooth Pavement.—Continued.

Mariborough street (city proper) Fairfield street, across Gloucester st by James Doherty. Mariborough street (city proper) Gloucester street, across Hereford stand by James Doherty. Mariborough street (Roxbury) Hereford street to Massachusetts avanuel of Jeet west, Asphalt Company. Maryin street (Roxbury) Il feet west of Massachusetts avanuel street (Roxbury) Il feet west of Massachusetts avanuel of Washington street (city proper) Shawmut avenue to Washington streat (city proper) West street to 6 feet south of West street to 213 feet south of West street to 213 feet south of West street to 2 (granite block base). Laid by th Mason street (city proper) 213 feet south of West street to 2 (granite block base). Laid by th Mason street (city proper) 225, feet south of West street to 2 (granite block base). Laid by th Mason street (city proper) 225, feet south of West street to 2 (granite block base). Laid by th	Limits.	Length	Area, Square	Voor	
		in Feet.		Laid.	Guaranty Expires.
	Fairfield street across Gloucester street. Bitulithic (macadam base). Laid by James Doherty.	562	2,248	1914	
	Gloucester street, across Hereford street. Bitulithie (macadam base). Laid by James Doherty.	435	1,740	1914	
	Hereford street to Massachusetts avenue. Bitulithic (macadam base). Laid by James Doherty.	665	2,660	1914	************
	Massachusetts avenue to 3 feet west. Sieilian rock asphalt. Laid by Boston Asphalt Company.	n	16	1901	
	11 fect west of Massachusetts avenue to Charlesgate East. Bitulithic (macadam base). Laid by James Doherty.	640	2,418	1914	
	Shawmut avenue to Washington street. Pine wood block Laid by Boston Paving Company.	256	573	1913	
	West street to 6 feet south of West street. Black gum wood block. Laid by United States Wood Preserving Company.	9	14	1908	
: :	6 feet south of West street to 213 feet south of West street. Asphalt. Laid by the Bernudez Company.	209	469	1920	++
:	213 feet south of West street to 256 feet south of West street. Asphalt (granite block base). Laid by the Bermudez Company.	43	91	1920	++
(grante block base). Laid by w	256 feet south of West street to 449 feet south of West street. Bitulithic (granite block base). Laid by Warren Brothers Company.	193	390	1907	
Mason street (city proper) 449 feet south of West street to 77 asphalt. Laid by Barber Asphal	449 feet south of West street to 73 feet north of Avery street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	96	200	1909	
Mason street (city proper)	73 feet north of Avery street to 63 feet north of Avery street. Seyssel rock asphalt. Laid by Jones & Meehan.	10	23	1899	

Mason street (city proper)	63 feet north of Avery street to Avery street. Bitulithic. Laid by Coleman Brothers.	63	169	1914	
Mason street (city proper)	Angle 53 feet north of Avery street to 12 feet east of Tremont street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	73	175	1900	
Mason street (city proper)	12 feet east of Tremont street to Tremont street. Pine wood block. Laid by Coleman Brothers.	12	31	1915	
Massachusetts avenue (city proper)	Albany street to 2 feet east of Harrison avenue. (North readway.) Pine wood block. Laid by Fred S. & A. D. Gore Corporation	(669	1,899	1912	
	(South roadway.) Sicilian rock asphalt. Laid by Boston Asphalt Company,	770	1,866	1894	
Massachusetts avenue (city proper)	2 feet east of Harrison avenue to Harrison avenue. Bitulithic. Laid by Warren Brothers Company.	61	16	1905	
Massachusetts avenue (city proper)	Harrison avenue to 3 feet west of Harrison avenue. Bitulthic. Laid by Warren Brothers Company.	က	25.	1905	
Massachusetts avenuc (city proper)	3 feet west of Harrison avenue to Washington street. (North roadway.) Pine wood block. Laid by Fred S. & A. D. Gore Corporation. Pine wood block. Laid by department forces. (South roadway.) Stellian rock asphalt. Laid by Boston Asphalt Company.)	029	782 1,227 1,974	1912 1920 1894	
Massachusetts avenue (city proper)	BE		1,003	1912	
	(South roadway.) Acme asphalt. Laid by Warren Brothers Company) 1#6	1,008	1910	
Massachusetts avenue (city proper)	Shawmut avenue to 13 feet east of Tremont street. (Northogonay.) Pine wood block. Laid by Fred S. & A. D. Gore Corporation	.00	2,889	1912	
	(South roadway.) Acme asphalt. Laid by Warren Brothers Company	321	2,946	1910	
Massachusetts avenue (city proper)	13 feet cast of Tremont street to Tremont street. Asphalt. Laid by B. E. Grant Company.	13	107	1920	Sept. 18, 1925.
Massachusetts avenue (city proper)	Tremont street to 16 feet west of Tremont street. Asphalt. Laid by B. E. Grant Company.	16	135	1920	Sept. 18, 1925.
Massachusetts avenue (city proper)	16 feet west of Tremont street to 13 feet east of Columbus avenue. (North roadway.) Bitulithic. Laid by Warren Brothers Company	} 216 {	1,597	1907 1910	

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Arca, Square Yards.	Year Laid.	Guaranty Expires.	
Massachusetts avenue (city proper)	13 feet east of Columbus avenue to Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	13	106	1906-07		
Massachusetts avenue (eity proper)	Columbus avenue to Providence Division, New York, New Harrford Railroad. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	469	2,248	1903-06		
Massachusetts avenue (Roxbury)	Providence Division, New York, New Haven & Hartford Railroad to Huntington avenue. Bitulithic (crushed stone base.) Laid by Warren Brothers Company.	551	2,100	1903-06		
Massachusetts avenue (Roxbury)	$\label{thm:total} Hunting ton avenue, across Boylston street. Sicilian rock asphalt. Laid by Boston Asphalt Company.$	1,778	8,506	1901		
Massachusetts avenue (Roxbury)	Boylston street to bridge over Boston & Albany Railroad. Aeme asphalt. Laid by Warren Brothers Company	66 {	440 12	1909		
Massachusetts avenue (Roxbury)	Bridge over Boston & Albany Railroad. Pine wood block. Laid by Coleman Brothers.	7.5	200	1908		
Massachusetts avenue (Roxbury)	Bridge over Boston & Albany Railroad to 47 feet north of Newbury street. Trinidad asphalt. Laid by James Doherty.	175	586	1914		
Massachusetts avenue (Roxbury)	47 feet north of Newbury street to 27 feet south of Marlborough street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	656	3,301	1901		
Massachusctts avenue (city proper)	27 feet south of Marlborough street to south side of Beacon street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	326	1,557	1901		
Massachusetts avenue (city proper)	Each side of Beacon street. Pine wood block. Laid by James Doherty	:	38	1920	Sept. 11, 1925.	
Massachusetts avenue (city proper)	Southerly side Beacon street to Harvard Bridge. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	237	1,080	1902		
Matchett street (Brighton)	Washington street to 35 feet south of Perthshire road. Mexican asphalt. Laid by Central Construction Company.	852	2,105	1917	July 5, 1922.	

Matchett street (Brighton) 35	35 feet south of Perthishire road to north street line Perthshire road. Mexican asphalt. Laid by Central Construction Company.	89	197	1919	June 12, 1924.
Comp	Summer street, across Maverick street. Aztec asphalt. Laid by Bermudez Company.	499	2,954	1917	Dec. 15, 1922.
eet w	7 feet west of London street to 7 feet east of Havre street. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	162	258	1903	
Ma	At Maverick square. Aztee asphalt. Laid by Bermudez Company	11	45	1917	Dec. 15, 1922.
idge nida strop	Bridge over Boston & Albany Railroad. Trinidad asphalt. Laid by E. R. Taylor Company	} se {	59 72	1906-07 1906	
Cen	At Centre street. Topeka (macadam base). Laid by Rowe Contracting Company.	57	214	1919	Aug. 12, 1924.
feet	56 feet east of Pleasant street to Pleasant street. Topeka (macadam base). Laid by Central Construction Company.	56	136	1920	Sept. 22, 1925.
asan	Pleasant street to 40 feet west of Pleasant street. Topeka (macadam base). Laid by Central Construction Company.	40	103	1920	Sept. 22, 1925.
secla acok	Roseclair street to Boston street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	846	2,461	1915	
set se 3oste	7 feet south of Castle street to Cobb street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	244	406	1897	
Blue Hil Company.	At Blue Hill avenue. Mexican asphalt. Laid by Central Construction Company.	က	17	1919	**
Sout]	At South street. Aztec asphalt. Laid by the Bermudez Company	e	11	1918	Sept. 28, 1923.
grade maca	Belgrade avenue to New York, New Haven & Hartford Railroad. Topeka (macadam base). Laid by Martino DeMatteo.	131	380	1920	Nov. 2, 1925.
104 fee Brick. Asplal	104 feet south of McLean street (front of William Blackstone School). Brick. Asplialt (cobble base). Laid by the Bernudez Company.	25 142	41	1921	**
nambers base).	Chambers street to 8 feet east of Blossom street. Bitulithic (erushed stone base). Laid by Warren Brothers Company.	510	1,307	1905	

List of Streets Having a Smooth Pavement.—Continued.

Sracers.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires
McLean street (city proper)	S feet east of Bloseom street to Bloseom street. Aeme asphalt. Laid by Warren Brothers Company Bessemer brick block gutters. Laid by Warren Brothers Company	8	39	1917	Nov. 15, 1922. Nov. 15, 1922.
Meander street (eity proper)	7 feet east of East Dedham street to 8 feet west of Malden street. Sieilian rock asphalt. Laid by Boston Asphalt Company.	292	416	1896	
Meander street (city proper)	8 feet west of Malden street to Malden street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	œ	11	1902	
Melrose street (city proper)	Broadway to 7 feet west of Broadway. Pine wood block. Laid by Coleman Brothers.	1-	19	1913	
Melrose street (city proper)	7 feet west of Broadway to Arlington street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	737	1,885	1161	
Melton road (Brighton)	Wallingford road to 61 feet north of tangent, south side of Nottingham road. Asphalt concrete. Laid by Charles M. Callahan.	455	1,905	1921	Sept. 15, 1926.
Melville avenue (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	40	1913	
Mclvinside terrace (Dorchester)	Dorehester avenue to Deer street. Bitulithic. Laid by James Doherty. At Deer street. Mexican asphalt. Laid by Central Construction Company.	193	9 9	1915 1919	Aug. 22, 1924.
Mereer street (South Boston)	At Dorchester street. Bitulithic. Laid by Samuel J. Tomaseello	+	16	1921	Aug. 31, 1926.
Meridian street (East Boston)	At Maveriek square. Aztec asphalt. Laid by Bermudez Company	6	12	1917	Dec. 15 1922.
Meridian street (East Boston)	21 feet north of Trenton street to 9 feet east of Eutaw street. Sicilian rock asphalt. Laid by Jones & Mechan.	221	240	1900	
Mctropolitan avenue (Hyde Park)	18 feet west of Hyde Park avenue to Hyde Park avenue. Topeka. Laid by Martino DeMatteo.	18	118	1921	May 12, 1926.
Metropolitan avenue (Hyde Park)	Hyde Park avenue to 36 feet cast of Hyde Park avenue. Topeka. Laid by Martino DeMattee.	36	243	1921	May 12, 1926.

Middleton street (Dorchester)	At Norfolk street. Bitulithic. Laid by Warren Brothers Company	6	56	1918	Nov. 4, 1923.	
Middleton street (Dorehester)	South street line of Wildwood street to 1 foot south of Theodore street. Bitulithie. Laid by Warren Brothers Company.	246	711	6161	May 27, 1924.	
Middleton street (Dorehester)	Theodore street to 1 foot south of Theodore street. Mexican asphalt. Laid by Central Construction Company.	1	က	1917	July 26, 1922.	
Milford street (city proper)	At Tremont street. Asphalt. Laid by B. E. Grant Company	14	81.	1920	Sept. 18, 1925.	
Milk street (eity proper)	At Washington street. Pine wood block. Laid by B. E. Grant Company.	C1	10	1917	Nov. 4, 1922.	
Milk street (city proper)	11 feet west of Federal street to east side of Pearl street. Pine wood block. Laid by Coleman Brothers, Inc.	332	1,188	1921	Nov. 19, 1926.	
Milk street (city proper)	East side of Pearl street, across Oliver street. Pine wood block. Laid by James Doherty.	280	1,086	1910		
Milk street (city proper)	Oliver street to S feet west of Broad street. Pine wood block. Laid by James Doherty.	279	1,045	1911		
Miller street (Charlestown)	$10{\rm feet}$ west of Main street to Lawrence street. Sicilian rock asphalt. Laid by Jones & Mechan.	193	365	1901		
Millet street (Dorchester)	Each side of Talbot avenue. Mack brick block. Laid by James Doherty.	36	135	11911		
Milton avenue (Dorchester)	Each side of Norfolk street. Bithulithic. Laid by James Doherty	N.	123	1914		
Milton street (city proper)	Spring street to 2 feet north of Spring street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Çì	65	1895		
Milton street (eity proper)	2 feet north of Spring street to Brighton street. Seyssel rock asphalt. Laid by Jones & Mechan.	306	271	1899		
Mindora street (Roxbury)	At Station street. Bitulithie. Laid by John F. Beatty	_	20	1914		
Minton street (West Roxbury)	Brookside avenue to Amory street. Topeka. Laid by Warren Brothers Company.	421	1,000	1918	June 18, 1923.	
Montebello road (West Roxbury)	Forest Hills street to Walnut avenue. Bitulithic. Laid by Martino De Matteo.	1,077	3,051	1916		
Montclair avenue (West Roxbury)	At Centre street. Asphalt (macadam l-ase). Laid by the Bernudez Company.	œ	56	1920	May 5, 1926.	
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List of Streets Having a Smooth Pavement.—Continued.

STREETS.	Lámits,	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Montfern avenue (Brighton)	At Washington street. Bitulithic (macadam hase). Laid by Warren Brothers Company.	12	37	1920	July 8, 1925.
Montgomery street (eity proper)	Tremont street to 2 feet east of Clarendon street. Asphalt. Laid by B. E. Grant Company.	233	1,124	1920	Sept. 18, 1925.
Montgomery street (city proper)	2 feet east of Clarendon street to Clarendon street. Bitulithic. Laid by Warren Brothers Company.	61	13	1913	
Montgomery street (city proper)	Clarendon street to 3 feet west of Clarendon street. Eitulithic. Laid by Warren Brothers Company.	es	16	1914	
Montgomery street (city proper)	3 feet west of Clarendon street to 10 feet east of Dartmouth street. Asphalt (macadam base). Laid by B. E. Grant Company.	555	2,524	1920	Sept. 18, 1925.
Montgomery street (city proper)	At West Canton street. Aeme asphalt (macadam lase). Laid by Warren Brothers Company.	ಣ	15	1916	
Moon street (eity proper)	North square to 5 feet cast of North square. Bitulithic. Laid by Warren Brothers Company.	.0	11	1906	and an
Moon street (eity proper)	5 feet east of North square to 6 feet west of Lewis street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	191	295	1891	
Moon street (city proper)	6 feet west of Lewis street to 7 feet east of Fleet street. Bitulithic. Laid by Warren Brothers Company.	100	188	1906	
Moore street (East Boston)	Saratoga street to 8 feet south of Saratoga street. Aztec asphalt. Laid by	oo	34	1919	May 1, 1924.
	remindaz Compania. S feet east of Szartoza street to Pennington street. Aztec asphalt (macadam base). Laid by Bermudez Company.	170	553	1919	May 1, 1924.
Moore street (East Boston)	8 feet west of Saratoga street to Saratoga street. Aztec asphalt. Laid by Bermudez Company.	∞	34	1919	May 1, 1924.
Moraine street (West Roxbury)	At South Huntington avenue. Asphalt conerete (macadam base). B. E. Grant Company.	13	65	1921	Unfinished.

Morrill street (Dorchester)	At Pleasant street. Topeka (macadam base). Laid by Central Construction Company.	17	51	1920	Sept. 22, 1925.
Morse street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	30	1912	
Morton street (city proper)	Salem street to 33 feet west of Salem street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	33	56	1901	
Morton street (city proper)	33 feet west of Salem street to 84 feet east of Endicott street. Concrete road. Laid by John E. Leaby Construction Company.	509	162	1918	++
Morton street (city proper)	84 feet east of Endicott street to 6 feet east of Endicott street. Mexican asphalt. Laid by Central Construction Company.	78	19	1919	**
Morton street (Dorchester)	At Baird street. Bitulithic. Laid by Warren Brothers Company	:	290	1919	May 26, 1924.
Morton street (Dorchester)	At Wilcock street. Topeka (macadam base). Laid by Rowe Contracting Company.	:	26	1920	July 7, 1925.
Morton street (Dorchester)	At Havelock street. Topeka (macadam base). Laid by Rowe Contracting	:	94	1920	July 28, 1925.
Morton street (Dorchester)	Each side of Norfolk street. Bitulithic. Laid by Warren Brothers Company.	16	106	1918	Nov. 4, 1923.
Motley street (Roxbury)	At Columbus avenue. Bernudez asphalt. Laid by Boston Asphalt Company.	6	21	1906	
Motte street (city proper)	7 feet east of Washington street to 12 feet west of Harrison avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	317	869	1892-99	
Moulton street (Charlestown)	Easterly side of Corey street to Vine street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	81	243	1897	
Moulton street (Charlestown)	Vine street to 8 feet east of Bunker Hill street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	113	343	1897	
Moultrie street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	×	24	1913	
Mozart street (Roxbury)	At Centre street. Asphalt concrete (macadam base). Laid by B. E. Grant Company.	6	27	1921	Unfinished.
Mt. Ida road (Dorchester)	At Bowdoin street. Pine wood block. Laid by James Doherty	11	29	1909	

List of Streets Having a Smooth Pavement.—Continued.

Spreets.	Lámits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Mt. Ida road (Dorehester)	201 feet north of Homes avenue to 182 feet north of Homes avenue. Aztec asphalt (macadam base). Laid by McGuire & McGourty.	19	55	1919	Dec. 26, 1924.
Mt. Ida road (Dorchester)	182 feet north of Homes avenue to Homes avenue. At tee asphalt. Laid by McGuire & McGourty.	182	522	1919	Dec. 26, 1924.
Mt. Ida road (Dorchester)	West street line of Homes avenue (bend) to Robinson street. Aztec asphalt. Laid by McGuire & McGourty.	713	2,086	1919	Dec. 26, 1924.
Mt. Pleasant avenue (Roxbury)	Each side of Dudley street. Mack brick block. Laid by James Doherty	21	73	1910	
Mt. Vernon street (eity proper)	Archway under State House. Limmer rock and Acme asphalts mixed. Laid by Porter & Pearl.	164	455	1911	
Mt. Vernon street (city proper)	State House to 7 feet west of Joy street. Canton block. Briek block	256	751	1901	
Mt. Vernon street (city proper)	Charles street to 9 feet west of Charles street. Pine wood block. Laid by B. E. Grant Company.	6	36	1921	Nov. 19, 1926.
Mt. Vernon street (West Roxbury)	At Centre street. Topeka. Laid by Rowe Contracting Company	14	24	1921	Aug. 26, 1926.
Murdock street (Brighton)	At North Beacon street. Bitulithic. Laid by Warren Brothers Company,	10	31	1918	Dec. 24, 1923.
Murdock street (Brighton)	At Cambridge street. Bitulithic (macadam base). Laid by Warren Brothers Company.	19	64	1919	Sept. 4, 1924.
Murdoek street (Brighton)	7 feet north of Cushman road to 7 feet south of Cushman road. Asphalt. Laid by John J. Lane.	40	116	1921	May 2, 1926.
Museum road (Roxbury)	Huntington avenue to the Fenway. Topeka. Laid by Warren Brothers Company.	625	2,072	1917–18	April 16, 1923.
Myrick street (Brighton)	7 feet north of Easton street to 7 feet south of Easton street. Asphalt. Laid by John J. Lane.	40	120	1920	Nov. 20, 1925.
Myrtle street (eity proper)	9 feet west of Russell street to 5 feet west of east side Irving street. Topeka (macadam base). Laid by Rowe Contracting Company.	80	148	1921	++

ropolitan brick,	6	9e <i>)</i>	0161		
Malden street to 7 feet west of Malden street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	7	9	1902		
7 feet west of Malden street to 7 feet east of East Dedham street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	190	500	1896		
East Dedham street to East Canton street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	202	315	1896		
Bast Canton street to East Brookline street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	202	315	1896		
East Fourth street to 8 feet south of East Fourth street. Pine wood block. Laid by John E. Quinn.	∞	33	1919	May 24, 1925.	25.
At Commonwealth avenue. Endurite (macadam base). Laid by Warren Brothers Company.	10	37	1912		
At post office. Pine wood block. Laid by city force	17	7.5	1916		
At Ash street. Aeme asphalt. Laid by Warren Brothers Company	1.	15	1909		
At Thomas park. Bitulithic, Laid by Warren Brothers Company	ÇI	i3	1905		
At Norfolk street. Bitulithie. Laid by James Doherty	15	71	1914		
Adams street to 25 feet south of Ashmont street (west side). Topeka. Laid by city force.		3,596	1918		
West side, Boston, Revere Beach & Lynn Railroad to Bennington street. Mexican asphalt. Laid by Central Construction Company.	1,700	8,492	1917-18	Aug. 2, 1923.	23.
Bennington street to 10 feet north of Bennington street. Aztec asphalt. Laid by Bernudez Company.	10	7.5	1919	May 1, 1924.	24.
Bridge over Boston & Providence Railroad. Fine wood block. Laid by V. Grande.	215	591	1921	++	
Sterling street to Weston street. Topeka. Laid by Central Construction Company.	291	650	1919	July 7, 1924.	24.
	west of Malden street to 7 feet east of East Dedham street. Sicilian c asphalt. Laid by Boston Asphalt Company. Dedham street to East Cauton street. Sicilian rock asphalt. Laid by John Sphalt Company. John Asphalt Company. John Street to East Brockline street. Sicilian rock asphalt. Laid Boston Asphalt Company. John E. Quinn. John E. Quinn. John E. Quinn. John E. Quinn. Astreet to S feet south of East Fourth street. Pine wood block. I by John E. Quinn. Astreet. Acme asphalt. Laid by city force. Astreet. Acme asphalt. Laid by Warren Brothers Company. In street. Bitulithic. Laid by James Doherty. S street to 25 feet south of Ashmont street (west side). Topeka. Laid city force. S street to 25 feet south of Ashmont street (west side). Topeka. Laid city force. Bitulithic. Laid by James Doherty. S street to 25 feet south of Ashmont street (west side). Topeka. Laid city force. Astreet to 10 feet north of Bennington street. Aztee asphalt. Day Bernudez Company. John Bernudez Company. John Bernudez Company. John Bernudez Company. S street to Weston street. Topeka. Laid by Jamude. By street to Weston street. Topeka. Laid by Jamude. Ry street to Weston street. Topeka. Laid by Central Construction apany.	Sicilian Laid by t. Laid d block. Warren s. Laid asphalt. Laid by Laid by	Sicilian 190 Laid by 202 t. Laid 202 d block. 8 Warren 10 y 17 y 3 a. Laid n street. 1,700 8, asphalt. 10 Laid by 215 struction 291	Stellian 190 209 Laid by 202 315 t. Laid 202 315 d block. 8 33 Warren 10 37 y 2 5 y 2 5 w 15 71 a Laid 3,596 n street. 1,700 8,492 asphalt. 10 75 Laid by 215 591 struction 291 650	Stellian 190 209 1896 Laid by 202 315 1896 t. Laid 202 315 1896 d block. 8 33 1919 May 2 Warren 10 37 1912 1916 y 7 15 1909 1905 r. Laid 15 71 1914 1918 a. Laid 1,700 8,492 1917-18 Aug. asphalt. 10 75 1919 May Laid by 215 591 1921 aug. struction 291 650 1919 July

List of Streets Having a Smooth Pavement,—Continued.

Syreets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Gus	Guaranty Expires.
Newbury street (city proper)	Arlington street to Berkeley street. Bitulithic (macadam base). Laid by Warren Brothers Company.	632	2,524	1919	June	4, 1924.
Newbury street (city proper)	Berkeley street to Clarendon street. Bitulithic (macadam base). Laid by Warren Brothers Company.	576	2,327	1919	June	4, 1924.
Newbury street (city propez)	Clarendon street to Dartmouth street. Bitulithic (macadam base). Laid by Warren Brothers Company.	575	2,333	1919	June	4, 1924.
Newbury street (city proper)	Dartmouth street to Exeter street. Bitulithic (macadam base). Laid by Warren Brothers Company.	555	2,224	1919	June	4, 1924.
Newbury street (city proper)	Exeter street to Fairfield street. Bitulithic (macadam base). Laid by Warren Brothers Company.	622	2,500	1919	June	4, 1924.
Newbury street (city proper)	Fairfield street to 10 feet west of Fairfield street. Bitulithic (macadam base). Laid by Warren Brothers Company.	10	41	1919	June	June 4, 1924.
Newbury street (city proper and Roxbury).	10 feet west of Fairfield street to 8 feet east of Hereford street. Pine wood block. Laid by United States Wood Preserving Company.	937	3,748	1901		
Newbury street (Roxbury)	S feet east of Hereford street to 300 feet east of Massachusetts avenue. Pine wood block. Laid by Patrick McGovern.	413	1,652	1906		
Newbury street (Roxbury)	Massachusetts avenue to 16 feet west of Massachusetts avenue. Trinidad asphalt. Laid by James Doherty.	16	55	1914		
Newland street (city proper)	West Brookline street to Pembroke street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	158	228	1902		
Newland street (city proper)	Pembroke street to 40 feet north of West Newton street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	122	176	1902		
Newland street (city proper)	40 feet north of West Newton street to West Newton street. Asphalt concrete. I aid by Andrews Construction Company.	40	258	1921	July	July 18, 1926.
Nightingale street (Dorchester)	At Talbot avenue. Mack brick block. Laid by James Doherty	13	81	1911		

Nonantum street (Brighton)	At Washington street. Asphalt (macadam base). Laid by city forces	33	120	1921	
Norfolk street (Dorchester)	Washington street to 6 feet south of Washington street. Pine wood block. Laid by William J. Barry.	9	75	1913	
Norfolk street (Dorchester)	78 feet west of Talbot avenue to 57 feet east of Edson street. Bitulithic. Laid by James Doherty. Pine wood block. (Brows to street car rails.) Laid by James Doherty	1,795	6,550 538	1913 1913	
Norfolk street (Dorchester)	57 feet east of Edson street to 51 feet east of bridge over New York, New Haven & Harton Rainoad, Midland Division. Bituilitie. Laid by James Doberty. Pine wood block. (Brows to street car rails.) Laid by James Doberty.	$\left. ight. ight.$ $\left. ight. ight. ight.$ $\left. ight. igh$	8,071	1914	
Norfolk street (Dorchester)	51 feet east of bridge over New York, New Haven & Hartford Railroad, Midland Division, to bridge over New York, New Haven & Hartford Railroad, Midland Division. Bitultitic. Laid by Warren Brothers Company.	51	500	1919	Oct. 11, 1924.
Norfolk street (Dorchester)	Bridge over New York, New Haven & Hartford Railroad, Midland Division, to 75 feet west of bridge over New York, New Haven & Hartford Railroad, Midland Division. Bitulithie. Laid by Warren Brothers Company.	75	345	1919	Oct. 11, 1924.
Norfolk street (Dorchester)	75 fret west of bridge over New York, New Haven & Hartford Railroad, Midland Division, to Blue Hill avenue. Bitulithic. Laid by Warren Brothers Company.	3,592	17,692	1918	Nov. 4, 1923.
Norman street (city proper)	7 feet north of Green street to South Margin street. Trinidadasphalt. Laid by Barber Asphalt Paving Company.	391	269	1905	
Normandy street (Dorchester)	North side Intervale street to Devon street. Attee asphalt. Laid by Central Construction Company.	485	1,403	1916	
Normandy street (Dorchester)	Seaver street to 7 feet south of Seaver street. Asphalt concrete. Laid by Simpson Brothers Corporation.	۲-	22	1921	Aug. 13, 1926.
Normandy street (Dorchester)	7 feet south of Seaver street to Columbia road. Trinidad asphalt. Laid by James Doherty.	459	1,330	1915	
North square (city proper)	North street to Moonstreet. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	235	1,217	1906	
Northampton street (city proper)	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	6	1 6	1906	

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length In Feet.	Area, Squa r e Yards.	Year Laid.	Guaranty Expires.
Northampton street (city proper)	North side Tremont street. Asphalt. Laid by Bernard E. Grant Compuny.		c	1920	Sept. 18, 1925.
Northampton street (eity proper)	14 feet south of Tremont street to 9 feet north of Shawmut avenue. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	894	3,370	1161	
Northampton street (city proper)	Shawmut avenue to Washington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	370	648	1905	
Northampton street (city proper)	At Albany street. Pine wood block. Laid by Bernard E. Grant		47	1917	Jan. 19, 1923.
North Anderson street (eity proper)	7 feet south of Parkman street to Parkman street. Aeme asphalt. Laid by Warren Brothers Company. Bessemer brick block gutters. Laid by Warren Brothers Company.	}	16	1916 1916	
North Anderson street (eity proper)	Parkman street to Fruit street. Aeme asphalt. Laid by Warren Brothers Company. Bessemer brick block gutters. Laid by Warren Brothers Company	} 77 {	174	1916 1916	
North Beacon street (Brighton)	Cambridge street to 1 foot east of Market street. Bituithic. Laid by Warren Brothers Company.	3,237	11,852	1918	Dec. 24, 1923.
North Beacon street (Brighton)	1 foot east of Market street to Market street. Simasco. Laid by Simpson Brothers Corporation.	-	10	1921	June 20, 1926.
North Beacon street (Brighton)	Market street to 11 feet west of Market street. Simasco. Laid by Simpson Brothers Corporation.	11	55	1921	June 20, 1926.
North Beacon street (Brighton)	12 feet west of Market street to 620 feet west of Market street. Asphalt concrete. Laid by John Kelly Company.	809	2,719	1921	Unfinished.
North Beacon street (Brighton)	East side of bridge over Charles river to the Watertown line. Pine wood block. Laid by A. G. Tomasello.	193	1,170	1917	++
North Bennet street (eity proper)	Hanover street to Salem street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	455	910	1904	

North Grove street (city proper)	Cambridge street to Fruit street. Aeme asphalt. Laid by Warren Brothers Company	} 545 {	1,265	1917	Aug. 24, 1922. Aug. 24, 1922.
North Harvard street (Brighton)	At Easton street. Asphalt (macadam base). Laid by John J. Lane		43	1920	Nov. 20, 1925.
North Harvard street (Brighton)	33 feet north of Soldiers Field road to Cambridge line. Pine wood block. Laid by Rowe Contracting Company.	219	973	1914	
North Margin street (city proper)	Stillman street to 6 feet south of Thucher street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	511	1,161	1895	
North Margin street (city proper)	6 feet north of Thacher street to 190 feet north of Thacher street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	<u>x</u>	476	1897	
North Russell street (city proper)	Company.	434	866	1917	Nov. 3, 1922.
Norton street (Dorehester)	East side of Bowdoin street. Aztec asphalt. Laid by Bernudez Company.	23 S	85	1919	May 9, 1924.
Norway street (Roxbury)	Falmouth street to 4 feet west of St. Paul street. Pine wood block. Laid by United States Wood Preserving Company.	307	917	1909	
Norway street (Roxbury)	East side of Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	œ	12	1901	
Norwell street (Dorehester)	At Talbot avenue. Mack brick block. Laid by James Doherty	13	43	1911	
Norwich street (eity proper)	Mystic street to Meander street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	221	339	1896	
O street (South Boston)	East side of East Fourth street. Pine wood block. Laid by John E. Quinn,	18	7.4	1920	May 24, 1925.
Oakdale street (West Roxbury)	At Green street. Topeka (macadam base). Laid by Central Construction Company.	1~	18	1921	June 3, 1926.
Oakland street (Brighton)	At Washington street. Bitulithic (macadam base). Laid by Warren Brothers Company.	10	25	1920	July 8, 1925.
Oakley street (Dorchester)	At Geneva avenue. Topeka (macadam base). Laid by department forces.	1	9	1920	
Oak square avenue (Brighton)	At Washington street. Bitulithic (macadam base). Laid by Warren Brothers Company.	11	31	1920	July 8, 1925.

List of Streets Having a Smooth Pavement.—Continued.

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Strrets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Oakview terrace (West Roxbury)	At Centre street. Topeka (maeadam base). Laid by Central Construction Company.	01	20	1920	Dec. 22, 1925.
Oakwood street (Dorchester)	At Norfolk street. Bitulithic Laid by James Doherty	1	4	1913	
Ohio street (eity proper)	Washington street to Shawmut avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	329	264	1896	
Oliver street (city proper)	Milk street to 152 feet southerly. Pine wood block. Laid by James Doherty,	152	591	1910	
* Olmsted park, Jamaicaway (Roxbury)	South curb line of Huntington avenue to 395 feet north of Willow Pond road. Bitalithic (macadam base). Laid by Warren Brothers Company.	2,400	9,342	1920	July 28, 1925.
* Olmsted park, Jamaicaway (Roxbury).	395 feet north of Willow Pond road to 166 feet south of Lockstead avenue. Asphalt concrete (macadam base). Laid by Central Construction Company.	3,100	14,333	1921	Aug. 24, 1926.
Olney street (Dorchester)	At Bowdoin street. Aztee asphalt (macadam base). Laid by Bermudez Company.	30	166	1919	May 9, 1924.
Olney street (Dorehester)	At Geneva avenue. Maek briek block. Laid by Central Construction Company.	35	204	1161	
Oneida street (eity proper)	7 feet east of Harrison avenue to 27 feet west of Albany street. Bitulithic. Laid by Warren Brothers Company.	480	1,014	1903	
Oneida street (eity proper)	27 foot west of Albany street to 13 feet west of Albany street. Asphalt. Laid by Bermudez Company.	14	59	1920	++
Orchard street (Roxbury)	At Eustis street. Bitulithic. Laid by John F. Beatty	-	4	1914	
Orchard street (West Roxbury)	. At Centre street. Topeka (macadam base). Laid by Rowe Contracting Company.	6	27	1919	Aug. 12, 1924.
Orchardfield street (Dorchester)	Freeport street to Dorchester avenue. Aztec asphalt. Laid by Central Construction Company.	814	1,266	1516	

Oregon street (Roxbury)	At Conant street. Aztec asphalt (macadam base). Laid by Bermudez Company.	۲-	11	1919	Nov.	1, 1924.
Oriole street (West Roxbury)	Bellevue street to Emmons road. Asphalt concrete. Laid by Martino De Matteo.	425	1,237	1921	July	8, 1926.
Opera place (Roxbury)	At Huntington avenue. Asphalt concrete (macadam base). Laid by Andrews Construction Company.	13	64	1921	July	8, 1926.
Oswego street (city proper)	Harrison avenue to 13 feet west of Albany street. Asphalt. Laid by Bernudez Company.	499	1,053	1920	_	**
Otis street (city proper)	At Summer street. Pine wood block. Laid by Northern Construction Company.	∞	53	1915		
Oxford street (city proper)	Essex street to 195 feet south of Essex street. Asphalt. Laid by Rowe Contracting Company.	195	339	1921	**	
Oxford street (city proper)	195 feet south of Essex street to S feet north of Beach street. Mexican asphalt. Laid by Central Construction Company.	559	409	1917	**	
Pacific street (South Boston)	At Thomas park. Bitulithic. Laid by Warren Brothers Company	က	t~	1905		
Paisley park (Dorchester)	At Upland avenue. Aztec asphalt. Laid by Central Construction Company,	15	53	1916		
Palmer street (Roxbury)	121 feet east of Winslow street to 203 feet west of Eustis street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	132	293	1906		
Park square (city proper)	Boylston street to 100 feet south of Boylston street. Pine wood block. Laid by United States Wood Preserving Company.) 100] 2	715 290	1914 1915		
Park square (city proper)	100 feet south of Boylston street, across Eliot street. Black gum wood block. Laid by United States Wood Preserving Company.	382	2,797	1907		
Park square (city proper)	At Providence street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	:	325	1912		
Park street (city proper)	At Tremont street. Pine wood block. Laid by Coleman Brothers	9	34	1915		
Park street (city proper)	38 feet north of Tremont street to 152 feet south of Beacon street. Filbertine. Laid by Warren Brothers Company.	326	959	1918	July 2	July 26, 1923.
Park street (Dorchester)	At Geneva avenue. Topeka (macadam base). Laid by department forces.		61	1920		

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits,	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Park street (Dorchester)	Each side of Washington street. Fine wood block. Laid by William J. Barry.	50	80	1913	Without
Park street (West Roxbury)	At Atwill road. Topeka (macadam base). Laid by Rowe Contracting Company.	:	10	1919	Oct. 22, 1924.
Park street (West Roxbury)	53 feet north of Centre street to 11 feet north of Centre street. Topeka (macadam base). Laid by Rowe Contracting Company.	43	120	1921	Aug. 26, 1926.
Park street (West Roxbury)	 feet north of Centre street to Centre street. Topeka. Laid by Rowe Contracting Company. 	==	34	1921	Aug. 26, 1926.
Park street (West Roxbury)	Centre street to 10 feet south of Centre street. Topeka. Laid by Rowe Contracting Company.	10	31	1921	Aug. 26, 1926.
Park street (West Roxbury)	10 feet south of Centre street to 45 feet south of Centre street. Topeka (macadam base). Laid by Rowe Contracting Company.	35	102	1921	Aug. 26, 1926.
Parker street (Roxbury)	10 feet north of Edgar street to 8 feet south of Caldwell street. Bitulithic Granite block base. Laid by Warren Brothers Company.	218	837	1912	
Parker street (Roxbury)	8 feet south of Caldwell street to 6 feet north of Ward street. Standard asphalt and Aztec asphalt (granite block base). Laid by Central Construction Company.	457	1,767	1917	++
Parker street (Roxbury)	8 feet north of Conant street to Tremout street. Aztee asphalt (macadam base). Laid by Bermudez Company.	651	2,532	1919	Oct. 25, 1924.
Parkland street (Brighton)	Winship street to Academy Hill road. Aztec asphalt. Laid by Coleman Brothers.	460	524	1917	Oct. 16, 1922.
Parkman street (city proper)	North Grove street to 7 feet east of North Anderson street. Aeme asphalt. Laid by Warren Brothers Company. Bessemer brick block gutters. Laid by Warren Brothers Company	} 203 {	369	1916 1916	
Parkman street (city proper)	7 feet east of North Anderson street, across Blossom street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	234	534	1898	

Parkman street (eity proper)	Blossom street to 7 feet west of North Russell street. Acme asphalt. Laid by Warren Brothers Company.	229	476	1910	
Parkman street (city proper)	7 feet west of North Russell street to North Russell street. Aztee asphalt. Laid by Bernudez Company.	4	12	1917	Nov. 3, 1922.
Parkton road (West Roxbury)	Perkins street to Perkins street. Concrete road. Laid by eity forces	1,169	2,903	1916	
Parkvale avenue (Brighton)	Brighton avenue to 10 feet south of Brighton avenue. Aztec asphalt (maeadam base). Laid by Bermudez Company.	10	22	1917	Dec. 7, 1922.
Parkvale avenue (Brighton)	10 feet south of Brighton avenue to Glenville avenue. Aztee asphalt. Laid by Bernudez Company.	879	2,548	1918	July 25, 1923.
Parkview street (Roxbury)	At Seaver street, Aeme asphalt (macadam base). Laid by Warren Brothers Company.	20	80	1917	Sept. 17, 1922.
Parkwood terrace (West Roxbury)	At Parkton road. Concrete. Laid by eity forces	ro	12	1917	
Parmenter street (city proper)	9 feet west of Hanover street to 9 feet east of Salem street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	265	723	1902	
Parmenter street (city proper)	5 free cast of Salem street to Salem street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	10	15	1901	
Parnell street (city proper)	Lenox street to Sawyer street. Trinidad asphalt. Laid by Barber Asphalt Paving Company	250	348	1902	
Parsons street (Brighton)	At Washington street. Bitulithie (macadam base). Laid by Warren Brothers Company.	10	65	1919	July 8, 1925.
Paul street (city proper)	Emerald street to 1 foot west of Emerald street. Bitulithic, Laid by Warren Brothers Company.	-	¢1	1904	
Paul street (city proper)	I foot west of Emerald street to 10 feet east of Tremont street, minus intersections at Village and Albion streets. Seyssel rock asplialt, Luid by Jones & Meehan.	368	635	1897	
Paul Gore street (West Roxbury)	At Centre street. Topeka (macadam base). Laid by Central Construction Company.	6	851 S	1920	Dec. 22, 1925.
Paul street (eity proper)	10 feet east of Tremont street to Tremont street. Topeka. Laid by Rowe Contracting Company.	10	17	1919	May 31, 1924.

List of Streets Having a Smooth Pavement.—Continued.

Nrreetts.	Limits.	Length in Fect.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Peacevale road (Dorehester)	Norfolk street to 1 foot south of Norfolk street. Bitulithie. Laid by James Doherry.		7	1914	
Peacevale road (Dorchester)	I foot south of Norfolk street to 7 feet north of Dunbar avenue. Trinidad asphalt. I aid by D. M. Biggs & Co.	801	2,315	1915	
Pearl street (city proper)	Milk street to 153 feet south of Milk street. Pine wood block. Laid by James Doherty.	153	208	1910	
Pearl street (Dorchester)	At Dorchester avenue. Pine wood block. Laid by William J. Barry	10	27	1919	Aug. 21, 1924.
Pearl street (Dorchester)	At Pleasant street. Topeka (maeadam base). Laid by Central Construction Company.	15	44	1920	Sept. 22, 1925.
Pelham street (city proper)	Washington street to Shawmut avenue. Mexican asphalt. Laid by Central Construction Company.	303	655	1917	++
Pemberton square (city proper)	Front of Suffolk County Courthouse. Sicilian rock asphalt. Laid by Boston Asphalt Company.	323	1,365	1894	
Pembroke street (city proper)	Each side of Tremont street. Asphalt. Laid by B.E. Grant Company	32	125	1920	Sept. 18, 1925.
Pembroke street (city proper)	At Columbus square. Bitulithic. Laid by Fred S. & A. D. Gore Corporation.	77	17	1912	
Percival street (Dorchester)	At Bowdoin street. Topeka (macadam base). Laid by city forces	61	1-	1918	
Perham street (West Roxbury)	New York, New Haven & Hartford Railroad to Vermont street. Mexican asphalt. Laid by Central Construction Company.	2,630	6,195	1917	Sept. 12, 1922.
Perkins street (West Roxbury)	Centure street to 111 feet west of Centre street. Asphalt concrete (macadam base). Laid by B. E. Grant Company.	111	260	1921	Unfinished.
Perth street (Dorchester)	Quincy street to Fayston street. Bitulithic. Laid by James Doherty	218	630	1915	
Perthshare road (Brighton)	Bigelow street to Matchett street. Mexican asphalt. Laid by Central Construction Company.	593	1,716	1919	June 12, 1924.

Phillips street (Roxbury)	Conant street to 7 feet south of Conant street. Aztec asphalt (macadam	1-	18	1919	Nov. 1,	1, 1924.
	7 feet north of Snith street to Smith street. Aztee asphalt (macadam base). Laid by Bernudez Company.	7	19	1919	Nov. 1,	1, 1924.
Phillips street (Roxbury)	Smith street to 7 feet south of Smith street. Aztec asphalt (macadam base). Laid by Bermudez Company.	7	91	1919	Nov. 24, 1924	1924.
Piedmont street (city proper)	At Broadway. Pine wood block. Laid by Coleman Brothers	11	56	1913		
Pinckney street (city proper)	Charles street to 9 feet west of Charles street. Pine wood block. Laid by B. E. Grant Company.	6.	55	1921	Nov. 19, 1926.	1926.
Pinckney street (city proper)	9 feet west of Charles street to S4 feet west of Charles street. Asphalt. Laid by Rowe Contracting Company.	7.5	196	1921	++	
Pinckney street (city proper)	84 feet west of Charles street, across Brimmer street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	179	200	1895		
Pine street (city proper)	7 feet cast of Washington street to 10 feet west of Harrison avenue. Trinidad usphalt. Laid by Barber Asphalt Paving Company.	403	299	1896		
Pleasant street (Dorchester)	East Cottage street to north side of Stoughton street. Topeka (macadam base), Laid by Central Construction Company.	1,415	5,823	1920	Sept. 22, 1925.	1925.
Pleasant street (Dorchester)	North side of Stoughton street to 20 feet south of Savin Hill avenue. Topeka. Laid by Francis J. Burke.	854	2,546	1920	Dec. 18, 1925.	1925.
Pleasant street (Dorchester)	20 feet south of Savin Hill avenue to 49 feet south of Savin Hill avenue. Topeka (macadam base). Laid by Francis J. Burke.	53	130	1920	Dec. 18, 1925.	1925.
Pleasant street (Dorchester)	84 feet north of Hancock street to Hancock street. Bessemer brick block. Laid by Fred S. & A. D. Gore Corporation.	\$	1,112	1911		
Pondview avenue (West Roxbury)	At Halifax street. Asphalt concrete. Laid by Martino DeMatteo		89	1921	July 6,	6, 1926.
Pontiae street (Roxbury)	Tremont street to Hillside street. Asphalt concrete. Laid by John Mc-Court Company.	936	2,710	1921	June 28,	28, 1926.
Pope street (East Boston)	At Saratoga street. Aztee asphalt. Laid by Bermudez Company	20	211	1919	May 1, 1924.	1924.
Poplar street (city proper)	Chambers street, across Spring street. Trinidad asphalt (cobble base). Laid by Barber Asphalt Paving Company.	615	1,250	1892		
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List of Streets Having a Smooth Pavement.—Continued.

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Spreets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.	anty ires.
Poplar street (city proper)	Spring street to 8 feet south of Charles street. Trinidad asphalt (coloble base). Laid by Barber Asphalt Paving Company.	572	1.175	1887		
Porter street (city proper)	Bridge over Boston Elevated Railway. Pine wood block, Laid by Coleman Brothers.	=	<u>x</u>	1913		
Porter street (East Boston)	Bridge over Boston & All:any Railroad. Aeme aspliaft. Laid by W. A. Murfieldt Company.	37	12S	1907		
Porter street (East Boston)	11 feet south of Chelsea street to Chelsea street. Asphalt concrete (macadam base). Laid by Coleman Brothers, Inc.	11	21	1921	July 19	July 19, 1926.
Porter street (East Boston)	Chelsen street to 12 feet north of Chelsen street. Asphalt concrete (macadam base). Laid by Coleman Brothers, Inc.	13	12	1921	July 1	July 19, 1926.
Porter street (Roxbury)	At Amory street. Mexican asphalt (macadam base). Laid by Central Construction Company.	x	គួ	1919	Dec.	6, 1924.
Post Office square (city proper)	Water street to Milk street. Pine wood block. Laid by Coleman Brothers, Inc.	782	2,444	1351	Nov. 1	Nov. 19, 1926.
Powellton road (Dorchester)	Columbia road to Glenarm street. Bitulithic. Laid by James Doherty	320	920	6161		
Prentiss street (Roxbury)	Each side Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Company.	10	36	1906		
Prescott street (Charlestown)	At Harvard street. Aztee asplialt (macadam base). Laid by Bermudez Company.		13	1918	June	8, 1923.
Prescott street (East Boston)	Bridge over Boston & Albany Railroad. Aeme asphalt. Laid by W. A. Murfieldt Company.	36	125	1907		
Preseott street (East Boston)	 iret south of Chelsea street to Chelsea street. Asphalt concrete (macadam base). Laid by Coleman Brothers Company. 	13	95	1921	July 19	July 19, 1926.
Prescott street (East Boston)	Chelsea street to 24 feet north of Chelsea street. Asphalt concrete (macadam base). Laid by Coleman Brothers Company.	£2	16	1921	July 19, 1926.	9, 1926.

				Aug. 12, 1924.			**	**					
1906	1895	1900	1901	1919	1915	1912	1918	1918	1903	1899	1897	1899	1899
223	634	457	40	œ	4,079	1,400	23	19	89	184	400	362	374
134	284	198	15	-	1,379	191	:	r3	22	182	270	350	358
Garden Court street to Hanover street. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	9 feet west of Hanover street to 293 feet west of Hanover street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	203 feet west of Hanover street to 15 feet east of Salem street. Sicilian rock asphalt—Laid by Jones & Mechan.	15 feet east of Salem street to Salem street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	Arborway at Centre street to 1 foot north of Arborway. Topeka (macadam base). Laid by Rowe Contracting Company.	1 foot north of Arborway to Pond street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	Park square to 75 feet east of Church street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	At east side of Church street. Bessemer brick block. Laid by Coleman Brothers.	Arlington street to 5 feet west of Arlington street. Bessemer brick block. Laid by Coleman Brothers.	Poplar street to Public Alley No. 14. Sicilian rock asphalt. Laid by Boston Asphalt Company.	23 feet south of Marshall street to Creek square. Seyssel rock asphalt. Laid by Jones & Mechan.	Pinckney street to River street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	Between Huntington avenue and St. Botolph street, from 96 feet west of Irvington street to 60 feet east of Garrison street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	Between Huntington avenue and St. Botolph street, from 67 feet west of Garrison street to 77 feet east of West Newton street. Trinidad asphalt. Laid by Sinpson Brothers Corporation.
Prince street (city proper)	Prince street (city proper)	Prince street (eity proper)	Prince street (eity proper)	Prince street (West Roxbury)	Prince street (West Roxbury)	Providence street (city proper)	Providence street (city proper)	Providence street (city proper)	Publie Alley No. 12 (eity proper)	Public Alley No. 102 (city proper)	Public Alley No. 301 (city proper)	Public Alley No. 401 (city proper)	Public Alley No. 402 (city proper)

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Public Alley No. 403 (city proper)	Between Huntington avenue and St. Botolph street, from 65 feet west of West Newton street to 62 feet east of Comberland street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	355	370	1899	
Public Alley No. 404 (Roxbury)	Between Huntington avenue and St. Botolph street, from 66 feet south of Cumberland street to Public Alley No. 405. Trinidad asphalt. Laid by Simpson Brothers Corporation.	534	533	1899	
Public Alley No. 405 (Roxbury)	Rear of northeast side of Massachusetts avenue, from 94 feet east of Hunt- ingron avenue to 62 feet west of St. Botolph street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	100	68	1899	
Public Alley No. 414 (city proper)	Between Beacon street and Marlborough street, from 53 feet east of Massachusetts avenue to Hereford street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	609	569	1901	
Public Alley No. 415 (city proper)	Between Beacon street and Marlborough street, from Hereford street to Gloucester street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	394	378	1061	
Public Alley No. 416 (city proper)	Between Beacon street and Marlborough street, from Gloucester street to Fairfield street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	520	490	1901	
Public Alley No. 417 (city proper)	Between Beacon street and Marlborough street, from Fairfield street to Exeter street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	620	579	1901	
Public Alley No. 418 (city proper)	At Dartmouth street. Bitulithic. Laid by Warren Brothers Company	4	4	1903	
Public Alley No. 419 (city proper)	Dartmouth street to 4 feet east of Dartmouth street. Bitulithic. Laid by Warren Brothers Company.	4	4	1903	
Public Alley No. 419 (city proper)	Between Beacon street and Marlhorough street, from 4 feet east of Dartmouth street to 12 feet west of Clarendon street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	250	488	1899	

1905	1905	1897		1901	1902	1902	1905	1905	1902	1903	1903	1899
=	6	498	11	က	579	538	က	က	487	m	1-	478
12	10	561	12	က	620	574	ಣ	က	549	25	∞	548
12 feet west of Clarendon street to Clarendon street. Bitulithic. Laid by Warren Brothers Company.	Clarendon street to 10 feet east of Clarendon street. Bitulithic. Laid by Warren Brothers Company.	Between Beacon street and Mariborough street, from 10 feet east of Clarendon street to Borkeley street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	. 15 feet west of Arlington street to 3 feet west of Arlington street. Vitrified brick.	3 feet west of Arlington street to Arlington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Between Commonwealth avenue and Marlborough street, from Arlington street to Berkeley street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Between Commonwealth avenue and Marlborough street, from Berkeley street to 3 feet east of Clarendon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	3 feet east of Clarendon street to Clarendon street. Bitulithic. Laid by Warren Brothers Company.	Clarendon street to 3 feet west of Clarendon street. Bitulithic. Laid by Warren Brothers Company.	Between Commonwealth avenue and Marlborough street, from 3 feet west of Clarendon street to 3 feet cast of Dartmouth street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	3 feet east of Dartmouth street to Dartmouth street. Bitulithic. Laid by Warren Brothers Company.	Dartmouth street to 8 feet west of Dartmouth street. Bitulthic. Laid by Warren Brothers Company.	Between Commonwealth avenue and Marlborough street, from 8 feet west of Dartmouth street to 9 feet east of Exeter street. Trinidad asphalt. Laid by Sinpson Brothers Corporation.
Public Alley No. 419 (eity proper)	Public Alley No. 420 (city proper)	Public Alley No. 420 (city proper)	Public Alley No. 421 (city proper)	Public Alley No. 421 (city proper)	Public Alley No. 422 (city proper)	Public Alley No. 423 (city proper)	Public Alley No. 423 (city proper)	Public Alley No. 424 (city proper)	Public Alley No. 424 (city proper)	Public Alley No. 424 (city proper)	Public Alley No. 425 (city proper)	Public Alley No. 425 (city proper)

List of Streets Having a Smooth Pavement.—Continued.

Sprents.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.	, s
Public Alley No. 426 (city proper)	Between Commonwealth avenue and Marlborough street, from Exeter street to Fairfield street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	620	591	1901		
Public Alley No. 428 (city proper and koxbury).	Between Commonwealth avenue and Marlborough street, from Glourester street to Hercford street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	392	376	1901		
Public Alley No. 429 (Roxbury)	Between Commonwealth avenue and Marlborough street, from 55 feet west of 11ereford street to 77 feet east of Mussachusetts avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	530	501	1901		
Public Alley No. 429 (Roxbury)	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	ŗĢ	4	1901		
Public Alley No. 430 (Roxbury)	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	2	9	1901		
Public Alley No. 431 (city proper and Roxbury).	Between Commonwealth avenue and Newbury street, from 7 feet east of Hereford street to 83 feet west of Gloucester street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	305	271	1899		
Public Alley No. 433 (city proper)	At Exeter street. Bitulithic (macadam base). Laid by Warren Brothers Company.	10	6	1919	June 4, 1	4, 1924.
Public Alley No. 434 (city proper)	Exeter street to 17 fect east of Exeter street. Bitulithic (macadam base)	17	17	1919	June 4, 1	4, 1924.
Public Alley No. 434 (city proper)	Between Commonwealth avenue and Newbury street, from 17 feet east of Exeter street to 3 feet west of Dartmouth street. Siellian rock asphalt. Laid by Boston Asphalt Company.	535	463	1901		
Public Alley No. 434 (city proper)	3 feet west of Dartmouth street to Dartmouth street. Bitulithic. Laid by Warren Brothers Company.	က	က	1903		
Public Alley No. 435 (city proper)	At Dartmouth street. Bitulithic. Laid by Warren Brothers Company	က	က	1903		
Public Alley No. 435 (city proper) At Clarendon street. Bituithic.	At Clarendon street. Bituithic. Laid by Warren Brothers Company	41	4	1905		

												June 24, 1924.	June 29, 1924
1905	1901	1898	1901	1901	1903	1905	1894	1894	1914	1901	1901	1919	1919
13	528	998	ಣ	583	60	e0	767	_	t~	+	507	п	<u> </u>
15	562	628	က	625	33	ಣ	553	=	et	က	535	113	7
Clarendon street to 15 feet east of Clarendon street. Bitulithic. Laid by Warren Brothers Company.	Between Commonwealth avenue and Newbury street, from 15 feet east of Charendon street to Berkeley street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	Between Commonwealth avenue and Newbury street, from Berkeley street to Arlington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Arlington street to 3 feet west of Arlington street. Trinidad asplialt. Laid by Barber Asphalt Paving Company.	Between Newbury street and Boylston street, from 3 feet west of Arlington street to 3 feet east of Berkeley street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	3 fret east of Berkeley-street to Berkeley street. Bitulithie. Laid by Warren Brothers Company.	Clarendon street to 3 feet west of Clarendon street. Bitulithic. Laid by Warren Brothers Company.	Clarendon street to Dartmouth street. Vitnified briek	At Dartmouth street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Between Newbury street and Boylston street, from Dartmouth street to 3 feet west of Dartmouth street. Bitulithic. Laid by Coleman Brothers,	Between Newbury street and Boylston street, from 3 feet west of Dartmouth street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Between Newbury street and Boylston street, from Sfeet west of Dartmouth street to 12 feet east of Exeter street. Sielian rock asphalt. Laid by Boston Asphalt Company.	. 12 feet east of Exeter street to Extree street. Bitulithic (macadam base). Laid by Warren Brothers Company.	Exeter street to 14 feet west of Exeter street. Bitulithic. Warren Brothers Company.
Public Alley No. 436 (city proper)	Public Alley No. 436 (city proper)	Public Alley No. 437 (city proper)	Public Alley No. 438 (city proper)	Public Alley No. 438 (city proper)	Public Alley No. 438 (city proper)	Public Alley No. 439 (city proper)	Public Alley No. 439 (city proper)	Public Alley No. 439 (city proper)	Public Alley No. 440 (eity proper)	Public Alley No. 440 (city proper)	Public Alley No. 440 (city proper)	Public Alley No. 440 (city proper)	Public Alley No. 441 (city proper)

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Lámits.	Length in Fect.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Public Alley No. 441 (city proper)	Between Newburv street and Boylston street, from 14 feet west of Excter street to Fartield street. Siellian rock asphalt. Laid by Boston Asphalt Company.	909	538	1903	
Public Alley No. 442 (eity proper)	Between Newbury street and Boylston street, from 59 feet west of Fairfield street to 110 feet east of Gloucester street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	351	312	1901	
Public Alley No. 442 (city proper)	Between Newbury street and Boylston street, from 110 feet cast of Gloucester street to Gloucester street. Pine wood block. Laid by Boston Asphalt Company.	100	80 68	1901	
Public Alley No. 444 (Roxbury)	350 feet west of Hereford street to 532 feet west of Hereford street. Concrete road. Laid by Boston Transit Commission.	182	318	1914-15	
Public Alley No. 701 (city proper)	Tremont street to 15 feet cust of Tremont street. Asphalt. Laid by B. E. Grant Company.	15	55	1920	Sept. 18, 1925.
Public Alley No. 701 (eity proper)	Between Union Park street and Upton street, from 130 feet east of Tremont street to Shawmut avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	521	611	1899	
Public Alley No. 702 (city proper)	Between Shawmut avenue and Tremont street, from Woreester street to 7 feet southwest of Woreester street. Mexican asphalt (macadam base). Laid by Central Construction Company.	-	1-	1919	Nov. 11, 1924.
Public Alley No. 702 (city:proper)	Between Shawmut avenue and Tremont street, from 7 feet southwest of Worcester street to West Springfield street. Seyssel rock asphalt. Laid by Jones & Mechan.	50S	508	1899	
Publie Alley No. 703 (city proper)	40fect west of Newland street to 40 feet east of Public Alley No. 702. Seyssel rock asphalt. Laid by Jones & Mechan.	1118	103	1899	
Public Alley No. 705 (eity proper)	At Tremont street. Asphalt. Laid by B. E. Grant Company	14	25	1920	Sept. 18, 1925.
Public Alley No. 705 (city proper)	Public Alley No. 705 (city proper) Street line to Tremont street to street line of Shawmut avenue. Concrete	649	1,262		

Public Alley No. 818 (Roxbury) Concrete.	Concrete	:	11			
Public Alley No. 901 (Roxbury)	From 113 feet west of Hemenway street to 113 feet west of Hemenway street. Siellian rock asphalt. Laid by Boston Asphalt Company.	573	550	1905		
Public Alley No. 905 (Roxbury)	At Massachusetts avenue. Sicilian rock asphalt. · Laid by Boston Asphalt Company.	rů	-	1901		
Public Alley No. 908 (Roxbury)	Mussachusetts avenue to Marlborough street. Barrington briek bloek. Laid by Boston Construction Company.	552	493	1915		
Putnam street (East Boston)	13 feet south of Chelsen street to Chelsen street. Asphalt concrete (macadam base). Laid by Coleman Brothers Company.	13	49	1921	July 19, 1926.	1 (1
Putnam street (East Boston)	Chelsen street to 35 feet north of Chelsen street. Asphalt concrete (macadam base). Laid by Coleman Brothers Company.	355	133	1921	July 19, 1926.	JIII
Quiney street (Dorchester)	At Bowdoin street. Topeka (macadam base). Laid by eity force	×	41	1918		,
Quint avenue (Brighton)	At Brighton avenue. Aztec asphalt (macadam base). Laid by Bernudez Company.	10	22	1917	Dec. 7, 1922.	, 016
Raleigh street (Roxbury)	At Beneon street. Aztee asphalt (macadam base). Laid by Bernudez Company.	12	22	1918	June 1, 1923.	110
Ralston street (South Boston)	Each side of Dorchester avenue. Pine wood block. Laid by William J. Barry.	20	22	1919	Aug. 21, 1924.	17131
Randall street (eity proper and Roxbury).	S feet cast of Harrison avenue to 6 feet west of Fellows street. Trinidad and Aztec asphalt. Laid by Central Construction Company.	325	724	1916		11101
Randall street (Roxbury)	6 feet east of Fellows street to 1 foot west of Albany street. Trinidad and Aztec asphalt. Laid by Central Coustruction Company.	264	765	1916		. 141 122
Randall street (Roxbury)	I foot west of Albany street to Albany street. Mexican asphalt. Laid by Bernudez Company.	1	vj r	1918	++	
Raven street (Dorchester)	6 feet south of Crescent avenue to 444 feet south of Crescent avenue. Bitulithic. Laid by James Doherty.	438	1,264	1915		
Redlands road (West Roxbury)	Centre street to 54 feet north of Centre street. Topeka. Laid by Rowe Contracting Company.	54	277	1921	Aug. 26, 1926.	

List of Streets Having a Smooth Pavement,—Continued.

Sтавета.	Lámits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.	ity s.
Reedsdale street (Brighton)	At Brighton avenue. Aztec asphalt (macadam base). Laid by Bermudez Company.	10	25	1917	Dec. 7,	7, 1922.
Revere street (city proper)	Charles street to 9 feet west of Charles street. Pine wood block. Laid by B. E. Grant Company.	6	55	1921	Nov. 19, 1926.	1926.
Richwood street (West Roxbury)	Centre street to 41 feet west of Centre street. Topeka. Laid by Rowe Contracting Company.	41	95	1921	Aug. 26, 1926.	1926.
Richwood street (West Roxbury)	41 feet west of Centre street to Montview street. Topeka. Laid by Central Construction Company.	1,196	2,688	1917–18	1917-18 June 19, 1923.	1923.
Ridgewood street (Dorchester)	Draper street to Topliff street. Bitulithic. Laid by James Doherty	1,063	3,075	1915		
Rill street (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	53	1910		
Ripley road (Dorchester)	Vassar street to Harvard street. Aztec asphalt. Laid by Central Construction Company.	673	1,946	9161		
Ritchie street (Roxbury)	14 feet east of Columbus avenue to Columbus avenue. Asphalt concrete (maeadam base). Laid by Simpson Brothers Corporation	14	50	1921	Aug. 9,	9, 1926.
Ritchie street (Roxbury)	Columbus avenue to 16 feet west of Columbus avenue. Asphalt concrete (macadam base). Laid by Simpson Brothers Corporation.	16	70	1921	Aug. 9,	9, 1926.
River street (eity proper)	Beacon street to Mt. Vernon street. Acme asphalt. Laid by Warren Brothers Company.	564	1,220	1912		
River street (Hyde Park)	250 feet north of Central avenue to Hyde Park avenue. Topeka (macadam base). Laid by Central Construction Company.	953	4,127	1921	Sept. 9,	9, 1926.
River street (Hyde Park)	Ilyde Park avenue to bridge over Boston & Providence Railroad. Topeka (macadam base). Laid by Central Construction Company.	244	731	1921	Sept. 9,	9, 1926.
Riverdale street (Brighton)	Riverdale street (Brighton) At Western avenue. Topeka (macadam base). Laid by department forces,	_ 6	15	1920		

	**	June 3, 1926.	_	++	**		Nov. 16, 1926.	Sept. 28, 1923.		Sept. 25, 1923.				July 28, 1922.
1914	1920	1921	1914	1921	1917	1913	1921	1918	1916	1918	1911	1904	1904	1917
1,090	13	50	21	452	1,073	32	28	11	4,417	45	33	870	2,216	1,314
485	9	1-	17	336	483	10	S	က	1,524	10	10	164	549	552
S feet east of Harrison avenue to 20 feet west of Albany street. Trinidad asphalt. Laid by Central Construction Company.	20 feet west of Albany street to 14 feet west of Albany street. Asphalt. Laid by The Bermudez Company.	At Green street. Topeka (macadam base). Laid by Central Construction Company.	Dorchester street to 21 feet south of Dorchester street. Bitulithic. Laid by Warren Brothers Company.	21 feet south of Dorchester street to 12 feet north of Preble street. Asphalt (cobble base). Laid by Rowe Contracting Company.	8 feet east of Harrison avenue to 13 feet west of Albany street. Mexican asphalt (macadam base). Laid by Central Construction Company.	At Washington street. Pine wood block. Laid by William J. Barry	At Dorchester avenue. Pine wood block. Laid by Gore, Inc	At South street. Aztec asphalt (macadam base). Laid by Bermudez Company.	Oakland street to Randolph road. Trinidad asphalt. Laid by John Kelly Company.	At Washington street. Topeka (macadam base). Laid by Warren Brothers Company.	At Hancock street. Mack brick block. Laid by Central Construction Company.	Washington street to Guild row. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Shawmut avenue, across Kent street. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	Oakland street to Randolph road. Mexican asphalt. Laid by Central Construction Company.
Rochester street (city proper)	Rochester street (city proper)	Rockview street (West Roxbury)	Rogers street (South Boston)	Rogers street (South Boston)	Rose street (city proper)	Rosedale street (Dorchester)	Roseland street (Dorchester)	Rosemary street (West Roxbury)	Rosewood street (Dorebester)	Roslin street (Dorchester)	Rowell street (Dorchester)	Roxbury street (Roxbury)	Roxbury street (Roxbury)	Rugby road (Dorchester)

List of Streets Having a Smooth Pavement.—Continued.

Spuests.	Limits.	Length in Feet,	Area, Square Yards.	Year Laid.	Guaranty Expires.
Ruggles street (Roxbury)	Washington street to Shawmut avenue. Pine wood block. Laid by Boston Paving Company.	455	1,277	1913	
Ruggles street (Roxbury)	7 feet west of Shawmut avenue to Cabot street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	1,048	3,062	1907	
Ruggles street (Roxbury)	Each side of Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Company.	4	35	1906	
Ruggles street (Roxbury)	Cabot street to Tremont street. Mack brick block. Laid by J. E. Burns & Co.	460	1,874	1909	
Rutland square (city proper)	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	6	26	1906-07	
Rutland square (city proper)	At Tremont street. Asphalt. Laid by B. E. Grant Company	15	61	1920	Sept. 18, 1925.
Rutland street (city proper)	At Tremont street. Asphalt. Laid by B. E. Grant Company	14	56	1920	Sept. 18, 1925.
Ruxton road (Dorchester)	At Rugby road. Mexican asphalt. Laid by Central Construction Company.	9	15	1917	July 28, 1922.
Ryan street (city proper)	Mystic street to Harrison avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	375	585	1896	
St. Alphonsus street (Roxbury)	Each side of Conant street. Axtee asphalt (macadam base). Laid by Central Construction Company.	14	32	1919	Nov. 1, 1924.
St. Alphonsus street (Roxbury)	9 feet north of Tremont street, across Smith street. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	512	1,479	1905	
St. Andrew road (East Boston)	At Waupello road. Aztec asphalt. Laid by James Doherty	00	27	1919	June 27, 1924.
St. Botolph street (city proper)	9 feet east of West Newton street to West Newton street. Bitulithic. Laid by Central Construction Company.	6	98	1917	
St. Botolph street (eity proper)	West Newton street to 9 feet west of West Newton street. Bitulithic. Laid by Central Construction Company.	6	36	1917	

900		1915	923	317	Trinidad asphalt.
	Aug. 21, 1924.	1901	6 97	cı oo	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company. Dorchester avenue to 8 feet east of Dorchester avenue. Pine wood block. Laid by William J. Barry.
	Sept. 28, 1923.	1918	<u></u>	t~	$At\ South\ street.$ Aztec asphalt (macadam base). Laid by Bermudez Company.
		1909	111	566	Falmouth street to Norway street. Pine wood block. Laid by United States Wood Preserving Company.
	May 21, 1923.	1917	7	77	24 feet north of Commonwealth avenue to Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.
	Dec. 7, 1922.	1917	61	10	Brighton avenue to 10 feet south of Brighton avenue. Aztee asphalt (macadam hase). Laid by Bermudez Company.
		1913	10	S1	At South street. Bitulithic. Laid by Warren Brothers Company
		1901	17	:	At Huntington avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.
		1914	1,576	453	S feet west of Clarendon street to Huntington avenue. Bitulithic. Laid by Boston Elevated Railway Company.
		1901	10	ଚା	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Conpany.
		1914	246	452	St. Francis de Sales street (Roxbury) Cabot street to Roxbury street. Bitulithic. Laid by James Doherty
		1916 1916	oc ≎1	} 3	At Chandler street. Aeme asphalt (macadam base). Laid by Warren Brothers Company Bessemer brick block gutters. Laid by Warren Brothers Company
		1902	**	1	At Belvidere street. Bitulithic. Laid by Warren Brothers Company
		1903	5 1	x	Bach side of Massachusetts avenue. Bitulithic. Laid by Warren Brothers Company.

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Làmits,	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Salcombe street (Dorchester)	At Stoughton street. Topeka (macadam base). Laid by department forces.	10	31	1920	
Salem street (city proper)	Endicott street to 6 feet south of Cross street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	172	328	1901	
Salem street (city proper)	6 feet north of Cross street to 5 feet north of south side of Baldwin place. Stellan rock asphalt. Laid by Boston Asphalt Company.	700	1,384	1901	
Salem street (city proper)	5 feet north of south side of Baldwin place to 64 feet north of Baldwin place. Bitulithic. Laid by Warren Brothers Company.	74	150	1913	
Salem street (city proper)	64 feet north of Baldwin place to 1 foot north of Prince street. Sieilian rock asphalt. Laid by Boston Asphalt Company.	117	262	1901	
Salutation street (city proper)	Hanover street to Commercial street. Trinidud asphalt. Laid by Barber Asphalt Paving Company.	340	253	1905	
Santuit street (Dorchester)	Roseland street to Welles avenue. Topeka. Laid by city force	386	946	1917	
Saratoga street (East Boston)	73 feet west of Chelsea street to Chelsea street. Aztee asphalt (macadam base). Laid by Bernudez Company.	73	778	1919	May 1, 1924
Saratoga street (East Boston)	Chelsea street to 120 feet west of Byron street. Aztec asphalt. Laid by Bernudez Company.	2,881	1,105	1919	May 1, 1924
Saratoga street (East Boston)	120 feet west of Byron street to Bennington street. Standard asphalt. Laid by Bernudez Company.	2,994	14,535	1918	May 1, 1924
Saratoga street (East Boston)	Bridge over Boston, Revere Beach & Lynn Railroad. Mack brick	88	321	1913	
Saratoga street (East Boston)	At Waupello road. Aztec asphalt (macadam base). Laid by James Doberty.	:	45	1919	June 27, 1924
Saratoga street (East Boston)	West side bridge over Belle Isle inlet to Winthrop line. Metropolitan brick block. Laid by Lawler Brothers.	100	378	1914	
Sarsfield street (Roxbury)	At Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Company.	18	40	1906-07	

Saunders street (Brighton)	At North Beacon street. Bitulithic. Laid by Warren Brothers Company	10	31	1918	Dec. 24, 1923.
Saunders street (Brighton)	At Cambridge street. Bitulithic. Laid by Warren Brothers Company	12	37	1919	Sept. 4, 1924.
Saville street (West Roxbury)	Stratford street to Park street. Mexican asphalt. Laid by Central Construction Company,	314	740	1917	Sept. 30, 1922.
Savin Hill avenue (Dorchester)	At Pleasant street. Topeka. Laid by Francis J. Burke	:	56	1920	Dec. 18, 1925.
Sawyer avenue (Dorchester)	At Pleasant street. Topeka, Laid by Francis J. Burke	12	51	1920	Dec. 18, 1925.
Saybrook street (Brighton)	At Market street. Simasco. Laid by Simpson Brothers Corporation	10	30	1921	June 20, 1926.
Schiller street (Roxbury)	At Heath street. Mack brick block. Laid by Field, Barker & Underwood, Inc.	∞	25	1910	
School street (Roxbury)	54 feet east of Amory street to Amory street. Mexican asphalt. Laid by Central Construction Company.	54	250	1919	Dec. 6, 1924.
School street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	28	1913	
Sears street (city proper)	At India street. Mexican asphalt. Laid by Central Construction Company.	-	9	1916	++
Seaver street (Roxbury)	Wahut avenue to Blue Hill avenue. Acme asphalt (macadam base). Laid by Warren Brothers Company.	4,093	15,760	1917	Sept. 17, 1922.
Seaver street (Roxbury and Dorchester)	Blue Hill Avenue to Columbia road. Asphalt concrete (macadam base). Laid by Simpson Brothers Corporation.	651	1,916	1921	Aug. 13, 1926.
Seaverns avenue (West Roxbury)	At Centre street. Bitulithic. Laid by Warren Brothers Company	77	28	1913	
Sedgwick street (West Roxbury)	At South street. Bitulithie. Laid by Warren Brothers Company	C1	9	1913	
Selwyn street (West Roxbury) 45	423 feet north of Ardale street to 10 feet south of Farquhar street. Texro asphalt. Laid by McGuire & McGourty.	1,200	3,559	1919	Aug. 20, 1924.
Selwyn street (West Roxbury)	10 feet south of Farquhar street to Farquhar street. Topeka. Laid by Martino DeMatteo.	10	30	1920	Nov. 11, 1925.
Seneca street (city proper)	4 feet east of Harrison avenue to 13 feet west of Albany street. Mack brick block. Laid by Paving Service.	496	817	1910	

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Shawmut avenue (city proper)	132 feet south of Castle street, across Cherry street. Trinidad asphalt. Laid by Central Construction Company.	327	926	1915	
Shawmut street (city proper)	At Broadway. Pine wood block. Laid by Coleman Brothers	6	27	1913	
Sheffield road (West Roxbury)	At Selwyn street. Texro asphalt. Laid by McGuire & McGourty	7	61	1919	Aug. 8, 1924.
Shelby street (East Boston)	At Saratoga street. Aztec asphalt (macadam base). Laid by Bermudez Company.	:	п	1919	May 1, 1924.
Sherburn street (Roxbury)	At Commonwealth avenue. Pine wood block. Laid by Clark & Gore	23	104	1915	
Sheridan street (Roxbury)	At Centre street. Topeka (macadam base). Laid by Central Construction Company.	6	30	1920	Dec. 22, 1925.
Sidlaw road (Brighton)	At Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	09	263	1918	May 21, 1923.
Silver street (South Boston)	From A street to bridge over New England Railroad. Bitulithic. Laid by Warren Brothers Company.	332	490	1903	
Silver street (South Boston)	Bridge over New England Railroad. Pine wood block. Laid by Central Construction Company.	19	95	1918	++
Silver street (South Boston)	50 feet west of B street to 10 feet west of B street. Bitulithic. Laid by Warren Brothers Company.	40	59	1903	
Silver street (South Boston)	B street to C street. Sicilian rock asphalt. Laid by Jones & Meehan	512	740	1901	
Silver street (South Boston)	C street to D street. Sicilian rock asphalt. Laid by Jones & Mechan	510	737	1901	
Silver street (South Boston)	225 feet west of E street to E street. Bitulithic. Laid by Warren Brothers Company.	225	325	1903	
Silver street (South Boston)	5 feet west of Dorchester street to Dorchester street. Bitulithic. Laid by Samuel J. Tomasello.	ro	∞	1921	Aug. 31, 1926.

		24.	1	24.	ne w	OILES .	.53.	23.	.726.		.56.	.56.	25.
		Oct. 24, 1924.	++	Nov. 8, 1924.			Sept. 28, 1923.	Sept. 28, 1923.	May 26, 1926.	May 26, 1926.	May 26, 1926.	Aug. 26, 1926.	Dec. 22, 1925.
	6061	1919 Oc	1917	N 6161	1913 1913	1913 1913	1918 Se	1918 Se	1921 M	1921 N	1921 M	1920 A	1920 D
	1,434	1,755	1,664	1,690	4,417		. 267	3,520	528	392	40	54	1,113
	645	607	576	582	1,295	::		1,331	28	103	11	11	295
by Santast J. 1 Omaseno.	Vernon street to Linden Park street. Mack brick block. Laid by John E. Burns & Co.	. Parker street to 6 feet north of Phillips street. Aztec asphalt (macadam base). Laid by Bermudez Company.	6 feet north of Phillips street to St. Alphonsus street. Mexican asphalt (crushed stone base). Laid by Central Construction Company.	St. Alphonsus street to Huntington avenue. Aztee asphalt (macadam base). Laid by Bernudez Company.	Centre street to 12 feet north of Jamaica street. Bituithic. Laid by Warren Brothers Company. Pine wood block. (Brows to street car rails.) Laid by Warren Brothers Company.	12 feet north of Jamaca street to north side Keyes street (east side). Bitultibit. Laid by Warren Brothers Company. Pine wood block. (Brows to street car rails.) Laid by Warren Brothers Company.	North side of Keyes street to 25 feet north of Boynton street (east side). Aztec asphalt (macadam base). Laid by Bermudez Company.	25 feet north of Boynton street to north side of Arborway. Aztec asphalt (macadam base). Laid by Bermudez Company.	78 feet north of tangent at north side Archdale road (bend) to tangent at northside Archdale road (bend). Topeka (macadam base). Laid by Martino DeMatteo.	. Tangent north side Archdale road to tangent south side Archdale road. Topeka. Laid by Martino DeMatteo.	. Tangent south side Archdale road to 11 feet south of tangent south side of Archdale road. Topeka (macadam base). Laid by Martino DeMatteo.	. 120 feet west of Guernsey street to Centre street. Topeka. Laid by Rowe Contracting Connection	Asphalt (macadam base). Laid by The Bermudez Company
	Simmons street (Roxbury)	Smith street (Roxbury)	Smith street (Roxbury)	Smith street (Roxbury)	South street (West Roxbury)	South street (West Roxbury)	South street (West Roxbury)	South street (West Roxbury)	South street (West Roxbury)	South street (West Roxbury)	South street (West Roxbury)	South street (West Roxbury)	

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
South street (Brighton)	Chestnut Hill avenue to 13 feet east of Commonwealth avenue. Aztec asphalt. Laid by Coleman Brothers.	009	1,504	1917	Nov. 17, 1922.
South street (Brighton)	13 feet east of Commonwealth averue to Commonwealth avenue. Mexican asphalt (Telford macadam base). Laid by Central Construction Company.	13	51	1918	May 21, 1923.
Southern avenue (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	42	1913	
Southern avenue (Dorchester)	Each side of Talbot avenue. Mack brick block. Laid by James Doherty	30	193	1161	
South Huntington avenue (West Roxbury.)	At Centre street, east side. Topeka (macadam base). Laid by Central Construction Company. West side. Associate former for manadam base). Laid by B. B. Claust Com-	15	ř. 6	1920	Dec. 22, 1925.
	pany.	:	S S	1921	Unbnished.
South Margin street (city proper)	2 feet east of Norman street to 7 feet east of Staniford street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	187	380	1905	
Southwick street (Dorchester)	Neponset avenue to Freeport street. Mexican asphalt. Laid by Central Construction Company.	350	1,022	1918	Mar. 29, 1923.
Sparhawk street (Brighton)	${\rm At}$ Cambridge street. Bitulithic (macadam base). Laid by Warren Brothers Company.	17	58	1919	Sept. 4, 1924.
Sparhawk street (Brighton)	58 feet east of Market street to Market street. Simasco. Laid by Simpson Brothers Corporation.	258	137	1921	June 20, 1926.
Spaulding street (West Roxbury)	At South street. Aztec asphalt (macadam base). Laid by Bermudez Company.	ಣ	11	1918	Sept. 28, 1923.
Spear place (city proper)	At Pleasant street. Pine wood block. Laid by Coleman Brothers	10	6	1913	
Spencer street (Dorchester)	At Talbot avenue. Mack brick block. Laid by James Doberty	12	61	11911	
Spofford road (Brighton)	At Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	20	47	1917	May 21, 1923.

Spring street (city proper)	Allen street to 3 feet north of Allen street. Mexican asphalt. Laid by Central Construction Company.	es	7	1917	**
Spring street (city proper)	3 feet north of Allen street to Poplar street. Bitulithic. Laid by Warren Brothers Company.	202	400	1913	
Spring street (city proper)	Poplar street to Chambers street. Trinidad asphalt (cobble base). Laid by Barber Asphalt Paving Company.	212	425	1895	
Spring street (city proper)	Chambers street to Leverett street. Trinidad asphalt (cobble base). Laid by Barber Asphalt Paving Company.	216	444	1895	
Spring street (West Roxbury)	Centre street to 42 feet west of Centre street. Topeka. Laid by Rowe Contracting Company.	42	539	1921	Aug. 26, 1926.
Spring street (West Roxbury)	42 feet west of Centre street to 162 feet west of Centre street. Topeku (macadam base). Laid by Rowe Contracting Company.	120	532	1921	Aug. 26, 1926.
Spring Park Avenue (West Roxbury)	At Centre street. Asphalt concrete. Laid by B. E. Grant Company	6	28	1921	Unfinished.
Spruce street (city proper)	Beacon street to 11 feet north of Beacon street. Topeka (macadam base). Laid by Bernard E. Grant.	11	14	1917	Nov. 15, 1922.
Stanton street (Dorchester)	At Norfolk street. Bitulithic. Laid by James Doherty	6	54	1914	
State street (city proper)	Washington street to east side of Old State House. Pine wood block. Laid by James Doherty. Pine wood block. Laid by Bernard E. Grant.	115	564	1908 1916	
Station street (Roxbury)	7 feet south of Parker street to Parker street. Aztee asphalt. Laid by Remundez Company.	7	23	1919	Oct. 25, 1924.
Station street (Roxbury)	Columbus avenue to 7 feet south of Parker street. Bitulithie. Laid by John F. Beatty.	611	1,764	1914	
Sterling street (Roxbury)	Washington street to Shawmut avenue. Topeka. Laid by Central Construction Company.	497	1,436	1919	June 23, 1924.
Sterling street (Roxbury)	Shawmut avenue to Westminster street. Topeka. Laid by Central Construction Company.	431	1,630	1919	June 23, 1924.
Sterling street (Roxbury)	Westminster street to Warwick street. Topeks. Laid by Central Construction Company.	369	1,398	1919	June 23, 1924.
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List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Sterling street (Roxbury)	Warwick street to Cabot street. Topeka. Laid by Central Construction Company.	165	554	1919	June 23, 1924.
Sterling street (Roxbury)	Cabot street to Tremont street. Topeka. Laid by Central Construction Company.	257	740	1919	June 23, 1924.
Stevens street (city proper)	Lincoln place, toward Shawmut avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	16	22	1897	
Stillman street (city proper)	Endicott street to North Margin street. Trinidad asphalt (cobble base). Laid by Barber Asphalt Paving Company.	135	368	1892	
Stillman street (city proper)	North Margin street intersection. Trinidad sephalt. Laid by Barber Asphalt Paving Company.	30	7.0	1895	
Stillman street (city proper)	Salem street to 8 feet west of Salem street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	∞	7	1901	
Stillman street (city proper)	2 feet east of North Margin street to North Margin street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	¢1	¢.s	1895	
Stoddard street (city proper)	6 feet north of Howard street to 8 feet south of Court street. Trnidad asphalt. Laid by Barber Asphalt Paving Company.	121	135	1892	
Stoughton street (city proper)	At Albany street. Pine wood block. Laid by Bernard E. Grant	12	45	1917	Jan. 19, 1923.
Stoughton street (Dorchester)	103 feet east of Columbia road to 14 feet west of Pleasant street. Topeka (macadam base). Laid by department forces.	1,423	3,511	1920	
Stoughton street (Dorc he ster)	14 feet west of Pleusant street to Pleusant street. Topeka. Laid by department forces.	14	73	1920	
Strathmore road (Brighton)	At Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	45	150	1918	May 21, 1923.

1921 ‡	1912	1913		1920 Oct. 25, 1925.	1912	1915	1915	1920	1908	1891	1921 Unfinished.	1921 June 20, 1926.	1919 June 16, 1924.	1921 Oct. 14, 1926.	1919 May 1, 1924.	1920 Sept. 22, 1925.
31	111	30	35	1,200	26	38	5,668	13	187	211	38	189	546	153	36	108
	32	:	:	268	9		1,229	က	38	144	13	81	285	32	ø	43
East side of Trinity place to west side of Trinity place. Asphalt. Laid by	Bitulithic. Laid by James Doherty	At Broadway. Pine wood blocks. Laid by Coleman Brothers, Inc	Near southwest corner of Berkeley street. Concrete	Clarendon street to Trinity place. Bitulithic. Laid by Warren Brothers Company.	At Dartmouth street and at Trinity place. Bitulithic. Laid by James Doberty.	At Washington street. Mack brick block. Laid by Northern Construction	Washington street to west side of South street. Pine wood block. Laid by Northern Construction Company.	At Stoughton street. Topeka (macadam base). Laid by department forces.	Bridge over Boston & Albany Railroad. Limmer rock asphalt. Laid by W. A. Murtfeldt Company.	7 feet north of North street to Moon street. Trinidad asphalt (cobble base). Laid by Barber Asphalt Paving Company.	At Centre street. Asphalt concrete (macadam base). Laid by B. E. Grant Company.	Market street to 81 feet west of Market street. Simasco. Laid by Simpson Brothers Corporation.	Hammond street to Warwick street. Topeka. Laid by Central Construction Company.	32 feet north of Beacon street to Beacon street. Asphalt concrete. Laid by John J. Lane.	At Saratoga street. Aztec asphalt. Laid by Bernudez Company	At Pleasant street. Topeka (macadam base). Laid by Central Construction Company.
Stuart street (city proper)		Stuart street (city proper)	Stuart street (city proper)	Stuart street (city proper)	Stuart street (city proper)	Summer street (city proper)	Summer street (city proper)	Sumner street (Dorchester)	Sumner street (East Boston)	Sun Court street (city proper)	Sunnyside street (Roxbury)	Surrey street (Brighton)	Sussex street (Roxbury)	Sutherland Road (Brighton)	Swift street (East Boston)	Taft street (Dorchester)

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Talbot avenue (Dorchester)	At Lithgow street. Mexican asphalt. Laid by Central Construction Company.		30	1917	May 30, 1922.
Talbot avenue (Dorchester)	66 feet east of Washington street to Washington street. Pine wood block. Laid by William J. Barry.	99	571	1913	
Talbot avenue (Dorchester)	215 feet west of Norfolk street to 58 feet east of Blue Hill avenue. Mack brick block. Laid by James Doherty.	4,300	21,325	1911	
Tamworth street (city proper)	Boylston street to 9 feet south of Boylston street. Pine wood block. Laid by Warren Brothers Company.	6	14	1917	Aug. 15, 1922.
Tamworth street (city proper)	7 feet north of La Grange street to La Grange street. Asphalt. Laid by Rowe Contracting Company.	4	21	1921	++
Taylor street (city proper)	Dwight street to Milford street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	184	257	1896	
Tebroc street (Dorchester)	Bowdoin street to Levant street. Aztee asphalt. Laid by McGuire & McGourty.	211	616	1919	Nov. 19, 1924.
Temple place (city proper)	Washington street to 95 feet west of Washington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	92	318	1906	
Temple place (city proper)	95 feet west of Washington street to 22 feet east of Tremont street. Trinidad land asphalt. Laid by United States Paving Company.	386	1,229	1900	
Temple place (city proper)	22 feet east of Tremont street to Tremont street. Pine wood block. Laid by Coleman Brothers.	83	1.2	1915	
Temple street (West Roxbury)	Spring street to 2 feet north of Spring street. Topeka (macadam base). Laid by Rowe Contracting Company.	cı -	12	1921	Aug, 26, 1926.
Temple street (West Roxbury)	2 feet north of Spring street to Ivory street. Mexican asphalt. Laid by 1,089 Central Construction company.	1,089	3,169	1917	June 25, 1922.

			++		May 12, 1926.	May 12, 1926.	July 26, 1922.				June 22, 1926.	Dec. 18, 1925.	April 30, 1924.		
1919	1906	1915	1917	1899	1921	1921	1917	1914	1905	1913	1921	1920	1919	1905	1895
125	82	11	512	15	28	252	1,762	++	086'9	7	555	38	1,033	514	119
44	6	4	187	ro	20	55	612	6	2,056	¢.1	145	11	368	403	157
Templeton street (Dorchester) 1 foot east of Florida street to 9 feet west of Florida street. Topeka (macadam) base). Laid by city forces	At Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Company.	$\begin{tabular}{lll} At Worthington street. Trinidad asphalt. Laid by Central Construction Company. \end{tabular}$	12 feet east of Washington Street North to 5 feet east of Endicott street. Mexican asphalt. Laid by Central Construction Company.	5 feet east of Endicott street to Endicott street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	75 feet east of Greenwood avenue to 55 feet east of Greenwood avenue. Topeka (macadam base). Laid by Martino DeMatteo.	55 east of Greenwood avenue to Greenwood avenue. Topeka. Laid by Martino DeMatteo.	10 feet northeast of Morton street, across Middleton street. Mexican asphalt. Laid by Central Construction Company.	At Norfolk street. Bitulithic. Laid by James Doherty	Around Telegraph Hill. Bitulithic crushed stone base. Laid by Warren Brothers Company.	At Centre street. Bitulithic. Laid by Warren Brothers Company	Commonwealth avenue to Brookline line. Asphalt concrete. Laid by Charles M. Callahan.	At Pleasant street. Topeka. Laid by Francis J. Burke	Columbia road to Marine road. Mexican asphalt. Laid by Central Construction Company.	9 feet north of Hanover street, across Unity street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	Unity street to 6 feet south of Salem street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.
Templeton street (Dorchester)	Terry street (Roxbury)	Tetlow street (Roxbury)	Thacher street (city proper)	Thacher street (city proper)	Thatcher street (Hyde Park)	Thatcher street (Hyde Park)	Theodore street (Dorchester)	Thetford avenue (Dorchester)	Thomas park (South Boston)	Thomas street (West Roxbury)	Thorndike street (Brighton)	Thornley street (Dorchester)	Ticknor street (South Boston)	Tileston street (city proper)	Tileston street (city proper)

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Fect.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Tonawanda street (Dorchester)	At Geneva avenue. Topeka (macadam base). Laid by department forces.	6	46	1920	
Topliff street (Dorchester)	At Bowdoin street. Aztec asphalt (macadam base). Laid by Bermudez Company.	15	44	1919	May 9, 1924.
Topliff street (Dorchester)	At Levant street. Aztec asphalt (macadam base). Laid by McGuirc & McGourty.	:	45	1919	Nov. 24, 1924.
Topliff street (Dorchester)	At Geneva avenue. Topeka (macadam base). Laid by department forces.	¢1	10	1920	
Torrey street (Dorchester)	Torrey street (Dorchester)	10	33	1918	Sept. 25, 1923.
Tovar street (Dorchester)	Bowdoin street to Cameron street. Aztee asphalt. Laid by McGuire & McGourty.	200	576	1919	Nov. 17, 1924.
Treadway street (Dorchester)	Savin Hill avenue to 67 feet north of Doris street. Aztec asphalt. Laid by Central Construction Company.	337	1,261	1916	
Tremlett street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	32	1913	
Tremont street (city proper)	Scollay square to 19 feet north of Boylston street (except next two items). Pine wood block. Laid by Coleman Brothers.	2,834	9,557	1915	
Tremont street (city proper)	29 feet north of Winter street, across Temple place (west side). Pine wood block. Laid by United States Wood Preserving Company.	:	455	1900	
Tremont street (city proper)	(West side.) Park street to Boylston street. Pine wood block. Laid by James Doherty.		1,958	1920	Oct. 16, 1925.
Tremont street (city proper)	19 feet north of Boylston street to 8 feet north of Eliot street. Pine wood block. Laid by Bernard E. Grant.	453	2,046	1917	Nov. 15, 1922.
Tremont street (eity proper)	8 fect south of Eliot street to 21 feet south of the north side of Common street. Pine wood block. Laid by Bernard E. Grant.	424	1,884	1917	Nov. 15, 1922.

Tremont street (city proper)	Bridge over Boston & Albany Railroad. Standard asphalt. Laid by Boston & Albany Railroad Company Portland stone brick. Laid by Boston & Albany Railroad Company	65 {	190 128	1912 1912	
Fremont street (city proper)	See Arlington square.				
Tremont street (city proper)	New York, New Haven & Hartford Railroad Bridge to 2 feet north of Dover street. Topeka, Laid by Rowe Contracting Company.	831	4,088	1919	May 31, 1924.
Tremont street (city proper)	2 feet north of Dover street to 9 feet south of north side of Northampton street. (Not including next item.) Asphalt. Laid by B. E. Grant Company.	3,726	22,204	1920	Sept18, 1925.
Tremont street (city proper)	(West side.) North side of Waltham street to 20 feet south of north side of Clarendon street. Unionite. Laid by B. E. Grant Company.	110	423	1920	Sept. 18, 1925.
Tremont street (Roxbury)	15 feet east of St. Alphonsus street to 7 feet west of Phillips street. Bitulithic (erushed stone base). Laid by Warren Brothers Company. Pine wood block in track maintained by Boston Elevated Railway Company	569	1,768	1902	
Tremont street (Brighton)	(West side.) At Washington street. Bitulithic (macadam base). Laid by Warren Brothers Company.		61	1920	July 8, 1925.
Tremont street (Brighton)	(West side.) Washington street to 72 feet south of Washington street. Asphalt (macadam base). Laid by city forces.	72	360	1921	
Trent street (Dorchester)	Clarkson street to 6 feet north of Coleman street. Trinidad asphalt. Laid by William J. Rafferty & Co.	600	498	1915	
Trescott street (Dorchester)	Pleasant street to 16 feet west of Pleasant street. Topeka (macadam base). Laid by Central Construction Company.	16	48	1920	Sept. 22, 1925.
Trescott street (Dorchester)	16 feet west of Pleasant street to 7 feet east of Bakersfield street. Bitulithic. Laid by James Doherty.	383	1,107	1914	
Trinity place (city proper)	Huntington avenue to St. James avenue. Bitulithic. Laid by James Doherty.	124	346	1912	
Trinity place (city proper)	St. James avenue to Stuart street. Bitulithic. Laid by James Doherty, Bitulithic. Laid by Warren Brothers Company	337	1,317	1912 1920	Oct. 25, 1925.
Trinity place (city proper)	5 feet south of Stuart street to 5 feet north of Stanhope street. Asphalt. Laid by Rowe Contracting Company.	249	719	1921	**

List of Streets Having a Smooth Pavement.—Continued.

	List of sereets flaving a smooth farement				
Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Trull street (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	53	1910	
Tuckerman street (South Boston)	Dorchester street to Middle street. Aztec asphalt. Laid by Central Construction Company.	367	492	1916	
Tudor street (South Boston)	C street to D street. Sicilian rock asphalt. Laid by Jones & Mechan	206	731	1901	
Tudor street (South Boston)	At Dorchester street. Bitulithic. Laid by Samuel J. Tomasello	4	9	1921	Aug. 31, 1926.
Tufts street (eity proper)	8 feet west of South street to 7 feet east of Lincoln street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	212	473	1901	
Tufts street (city proper)	8 feet west of Lincoln street to 13 feet east of Kingston street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	539	527	1901	
Tufts street (city proper)	13 feet cast of Kingston street to Kingston street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	13	83	1910	
Tufts street (Charlestown)	Bunker Hill street to 141 feet north of Bunker Hill street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	141	415	1897	
Turner street (Brighton)	Washington street to 2 feet north of Washington street. Bitulithic. Laid by Warren Brothers Company.	গ	9	1919	July 8, 1925.
Turner street (Brighton)	10 feet north of Washington street to Faneuil street. Aztec asphalt. Laid by Coleman Brothers.	1,252	2,918	1917	Sept. 17, 1922.
Tyler street (city proper)	6 feet south of Beach street to 8 feet north of Kneeland street. Mexican asphalt (crushed stone base). Laid by Central Construction Company.	306	815	1917	++
Tyler street (city proper)	Kneeland street to Harvard street. Mexican asphalt (crushed stone base). Laid by Central Construction Company.	319	820	1917	++
Tyler street (city proper)	Tyler street (city proper)	518	1,381	1901	

Tyler street (city proper)	7 feet south of Oak street to 6 feet north of Curve street. Mexican asphalt (crushed stone base). Laid by Central Construction Company	428	1,152	1917	**
Union avenue (West Roxbury)	At Green street. Topeka. Laid by Central Construction Company	9	18	1919	Dec. 6, 1924.
Union park (eity proper)	15 feet east of Tremont street to Tremont street. Asphalt. Laid by B. E. Grant Company.	15	09	1920	Sept. 18, 1925.
Union park (city proper)	Tremont street to 15 feet west of Tremont street. Asphalt. Laid by B. E. Grant Company.	15	62	1920	Sept. 18, 1925.
Union park (city proper)	15 feet west of Tremont street to Montgomery street. Asphalt (macadambase). Laid by B. E. Grant Company.	87	326	1920	Sept. 18, 1925.
Union park street (city proper)	Washington street to Harrison avenue. Acme asphalt. Taid by the Bernndez Company.	461	2,404	1920	++
Unity street (city proper)	Charter street to Tileston street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	330	200	1897	
Upham avenue (Dorchester)	At Wilbur street. Topeka (macadam base). Laid by Central Construction . Company.		32	1920	Oct. 25, 1925.
Upham avenue (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	30	1911	
Upland avenue (Dorchester)	Park street to Melville avenue. Aztec asphalt. Laid by Central Construction Company.	748	2,509	1916	
Upton street (city proper)	At Tremont street. Asphalt. Laid by B. E. Grant Company	16	50	1920	Sept. 18, 1925.
Utica street (city proper)	At Tufts street. Sicilian rock asphalt. Laid by Boston Asphalt Company,	ಣ	2	1901	
Vernon street (Roxbury)	Tremont street to Cabot street. Mack briek block. Laid by J. E. Burns & Co.	798	2,307	1909	
Vernon street (Roxbury)	80 feet east of Cabot street to 7 feet east of Auburn street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	694	1,788	1907	
Vernon street (Roxbury)	Shawmut avenue to Washington street. Pine wood block. Laid by Boston Paving Company.	281	814	1913	
Victoria street (Dorchester)	At Dorehester avenue. Pine wood block. Laid by William J. Barry	10	33	1919	Aug. 21, 1924.

List of Streets Having a Smooth Pavement.—Continued.

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Sтиветя.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Victoria street (Dorchester)	At Pleasant street, Topeka (macadam base). Laid by Central Construction Company.	17	52	1902	Sept. 22, 1925.
Victory road (Dorchester)	At Neponset avenue. Topeka (macadam base). Laid by city forces	-	23	1918	
Vine street (Roxbury)	At Dudley street. Mack brick block. Laid by James Doherty		20	1910	
Vine street (Charlestown)	Bunker Hill street, across Moulton street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	165	620	1897	
Vineland street (Brighton)	At Market street. Simasco. Laid by Simpson Brothers Company	21	40	1921	June 20, 1926.
Vinson street (Dorchester)	At Geneva avenue. Topeka (macadam base). Laid by department forces,	ī	9	1920	
Wachusett street (West Roxbury)	Walk Hill street to 24 feet east of Patten street. Topeka. Laid by John Kelly Company.	191	524	1919	Dec. 15, 1924.
Wachusett street (West Roxbury)	24 feet east of Patten street to 23 feet west of Patten street. Topeka. Laid by John Kelly Company.	71	194	1919	Dec. 15, 1924.
Wachusett street (West Roxbury)	23 feet west of Patten street to Eldridge road. Topeka. Laid by John Kelly Company.	029	1,967	1919	Dec. 15, 1924.
Walden street (Roxbury)	At Heath street. Mack brick block. Laid by Field, Barker & Underwood, Inc.	∞	18	1910	
Walden street (Roxbury)	At Centre street. Asphalt concrete (maradam base). Laid by B. E. Grant Company.	13	40	1921	Unfinished.
Waldo terrace (Brighton)	Washington street to 1 foot north of Washington street. Bitulithic. Laid by Warren Brothers Company.	-	61	1913	
Waldo terrace (Brighton)	1 foot north of Washington street to Henshaw street. Aztec asphalt. Laid by Coleman Brothers.	291	406	1917	Oct. 16, 1922.
Wales street (Dorchester)	Wales street (Dorchester) At Talbot avenue. Mack brick block. Laid by James Doherty	15	82	1911	

June 28, 1924.	Sept. 15, 1926.	Sept. 17, 1922.	Nov. 15, 1922.		Sept. 18, 1925.	Sept. 25, 1923.						Sept. 4, 1924.			
1919	1921	1917	1917	1906-07	1920	1918	1906	1913	1911	1912	1917	1919	1891	1884	1891
3,236	231	214	21	46	69	30	25	12,217	73	216	302	1,245	1,045	628	928
710		89	12	18	18	10	4	2,046	10	a	128	176	384	268	464
West side Fottler road to Blue Hill avenue. Mexican asphalt (macadam base). Laid by Martino DeMatteo.	At Melton road. Asphalt concrete (macadam base). Laid by Charles M	20 feet north of Columbus avenue to 13 feet south of Columbus avenue. Acme asphalt (macadam base). Laid by Warren Brothers Company.	Beacon street to 12 feet north of Beacon street. Topeka (macadam base). Laid by Bernard E. Grant.	At Columbus avenue. Bernaudez asphalt. Laid by Boston Asphalt Company.	At Tremont street. Asphalt. Laid by B. E. Grant Company	At Washington street. Topeka (macadam base). Laid by Warren Brothers Company.	Berkeley street to 4 feet west of Berkeley street. Bitulithic. Laid by Warren Brothers Company.	4 feet west of Berkeley street to 4 feet east of Pembroke street. Pine wood block. Laid by Boston Paving Company.	At Washington street. Pine wood block. Laid by James Doherty	At Dudley street. Pine wood block. Laid by James Doherty	Winthrop street, across Soley street. Mexican asphalt. Laid by Central Construction Company.	Cambridge street to 176 feet east of Cambridge street. Bitulithic (macadam base). Laid by Warren Brothers Company.	8 feet south of Eliot street to 392 feet south of Eliot street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	392 feet south of Eliot street to 10 feet north of Tremont street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	13 feet south of Shawmut avenue to Washington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.
Walk Hill street (Dorchester)	Wallingford road (Brighton)	Walnut avenue (Roxbury and West Roxbury).	Walnut street (city proper)	Walpole street (Roxbury)	Waltham street (city proper)	Walton street (Dorchester)	Warren avenue (city proper)	Warren avenue (eity proper)	Warren street (Roxbury)	Warren street (Roxbury)	Warren street (Charlestown)	Warren street (Brighton)	Warrenton street (city proper)	Warrenton street (eity proper)	Warrenton street (city proper)

List of Streets Having a Smooth Pavement.—Continued.

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Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guar Exp	Suaranty Expires.
Warwick street (Roxbury)	Hammond street to Ruggles street. Topeka. Laid by Central Construction Company.	1,369	3,961	1919	June 2	June 24, 1924.
Washington street (Charlestown)	At Harvard street. Aztec asplialt (macadam base). Laid by Bermudez Company.	∞	18	1518	June	8, 1923.
Washington Street North (Charlestown).	Bridge over Boston & Maine Railroad, Fitchburg Division. Trinidad asphalt. Laid by Simpson Brothers Corporation.	61	543	1899		
Washington street (city proper)	8 feet south of Cornhill to 78 feet south of Court avenue. Pinewood block. Laid by James Doherty.	509	1,475	1908		
Washington street (city proper)	78 feet south of Court avenue to 5 feet south of Milk street. Black gum wood block. Laid by United States Wood Preserving Company Pine wood block. Laid by Bernard E. Grant.	} 238	218 1,642	1907 11917	Nov.	4, 1922.
Washington street (eity proper)	5 feet south of Milk street to 57 feet north of Essex street. Black gum wood block. Laid by United States Wood Preserving Company Pine wood block. Laid by Bernard E. Grant	1,923	1,341	1906 1917	Nov.	4, 1922.
Washington street (city proper)	57 fret north of Essex street to 54 feet south of Boylston street. Pine wood block. Laid by Bernard E. Grant.	213	360	1917	Nov.	4, 1922.
Washington street (city proper)	54 feet south of Boylston street to 8 feet north of Beach street. Fine wood block. Laid by Bernard E. Grant.	132	501	1917	Nov.	4, 1922.
Washington street (city proper)	8 feet north of Beach street to Eliot street. Pine wood block. Laid by James Doherty.	246	860	1920	Dec.	3, 1925.
Washington street (eity proper)	At Pleasant street. Pine wood block. Laid by Coleman Brothers	:	20	1913		
Washington street (city proper)	Bridge over Boston & Albany Railroad, Metropolitan brick. Laid by W. A. Murtfeldt Company.	09	216	1908		
Washington street (Roxbury)	Williams street to 27 feet north of Marvin street. Pine wood block. Laid 1,026 by James Doherty.	1,026	4,779	1161		

Washington street (Roxbury)	27 feet north of Marvin street, across Zeigler street (west side). Trinidad asphalt. Laid by Barber Asphalt Paving Company.	:	210	1904	
Washington street (Roxbury)	Zeigler street to 20 feet north of Dudley street. Pine wood block. Laid by James Doherty.	186	745	1911	
Washington street (Roxbury)	20 feet north of Dudley street to Dudley street. Pine wood block. Laid by James Doherty.	20	105	1912	•
Washington street (Roxbury)	Dudley street to 130 feet south of Dudley street. Pine wood block. Laid by James Doherty.	130	930	1912	
Washington street (West Roxbury)	La Grange street southerly. Topeka (macadam base). East roadway. Maintained by Massachusetts Highway Commission West roadway. Maintained by Massachusetts Highway Commission	4,559 {	9,624 5,491	1916 1916	
Washington street (West Roxbury)	29 feet south of Grove street to 529 feet south of Grove street (cast roadway). Concrete road. Maintained by Massachusetts Highway Commission.	500	1,055	1916	
Washington street (Roxbury and Dorchester).	60 feet cast of Blue Hill avenue to 116 feet south of Fenelon street. Pine wood block. Laid by William J. Barry.	2,143	9,323	1912-13	
Washington street (Dorchester)	116 feet south of Fenelon street to 3 feet south of Eldon street. Metropolitan	187	266	1921	
	Pine wood block. Laid by William J. Barry.	c)	9	1912	
Washington street (Dorehester)	3 feet south of Eldon street to 42 feet south of Bowdoin street. Pine wood block. Laid by William J. Barry.	1,864	8,687	1912	
Washington street (Dorehester)	42 feet south of Bowdoin street to 55 feet south of Talbot avenue. Pine wood block. Laid by William J. Barry.	3,440	16,402	1913	
Washington street (Dorchester)	55 feet south of Talbot avenue to north side of Ashmont street. Topeka (macadam base). Laid by Warren Brothers Company.	1,685	5,042	1918	Sept. 25, 1923.
Washington street (Dorchester)	North side of Ashmont street to 85 feet north of Armandine street (west side). Topeka (macadam base). Laid by Warren Brothers Company.		314	1918	Sept. 25, 1923.
Washington street (Dorchester)	85 feet north of Armandine street to 12 feet south of Armandine street. Topeka (macadam base). Laid by Warren Brothers Company.	123	325	1918	Sept. 25, 1923.
Washington street (Brighton)	Cambridge street to 118 feet west of Chestnut Hill avenue. Bitulithie. Laid by Warren Brothers Company.		5,007	1913	
	Pine wood block. (Brows to street car rails.) Laid by Warren Brothers Company.	050'1	217	1913	

List of Streets Having a Smooth Pavement.—Continued

Зткеетв.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Gua	Guaranty Expires.
Washington street (Brighton)	118 feet west of Chestnut Hill avonue to 22 feet east of Oakland street. Bitulthine (macadam base). Laid by Warren Brothers Company.	1,022	3,914	1919-20	July	8, 1925.
Washington street (Brighton) (north side).	22 feet east of Oakland street to 33 feet west of Lake street. Bitulithic (macedambase). Laid by Warren Brothers Company.	:	1,529	1920	July	8, 1925.
Washington street (Brighton)		2,191	8,161	1919–20	July	8, 1925.
	base). Laid by Warren Brothers Company. South side at Nonantum street. Asphalt (macadam base). Laid by city forces.	:	65	1921		
Washington street (Brighton)	Nonantum street to 28 feet west of Tremont street. Bitulithic (macadam	127	208	1919-20 July	July	8, 1925.
	base). Laid by Warren Brothers Company. Southside. Asphalt (macadam base). Laidby eity forces	:	133	1921		
Water street (city proper)	2 feet west of Devonshire street to Devonshire street. Fine wood block. Laid by Bernard E. Grant.	হ)	9	1916		
Water street (eity proper)	Devonshire street to 7 feet east of Devonshire street. Pine wood block. Laid by Bernard E. Grant.	1-	33	1916		
Water street (city proper)	7 feet east of Devonshire street to 7 feet west of Congress street. South side. Pine wood block. Laid by city forces. North side. Pine wood block. Laid by city forces. Centre. Pine wood block. Laid by Boston Elevated Railway Company. North side. Pine wood block. Laid by Coleman Brothers, Inc.	10	300 300 380 38	1918 1920 1921 1921	Nov.	Nov. 19, 1926.
Water street (eity proper)	7 feet west of Congress street to Congress street. Pine wood block. Laid by Coleman Brothers, Inc.	۲-	37	1921	Nov.	Nov. 19, 1926.
Water street (city proper)	Congress street to 7 feet east of Congress street. Pine wood block. Laid by Coleman Brothers, Inc.	t-	33	1921	Nov.	Nov. 19, 1926.
Water street (city proper)	7 feet east of Congress street to 22 feet east of Congress street. Asphalt. Laid by Rowe Contracting Company.	15	41	1921	++	

264 1921 ‡	349 1915	24 1919 Oct. 10, 1924.	115 1919 Oct. 10, 1924.	36 1919	509 1915	529 1897	1,224 1919 June 27, 1924.	24 1921 June 20, 1926.	28 1921 May 12, 1926.	42 Aug. 9, 1926.	137 1920 May 5, 1926.	199 1921 Nov. 26, 1926.	200 1918 Sept. 25, 1923.	34 1906–07	53 1910
105	121	∞	35	14	195	307	416	10	6	13	50		20	6	σ.
22 feet east of Congress street to 127 feet east of Congress street. Asphalt. Laid by Rowe Contracting Company.	127 feet east of Congress street to 8 feet west of Kilby street. Residual asphalt. Laid by Central Construction Company.	8 feet west of Kilby street to Kilby street. Pine wood block. Laid by James Doherty.	Liberty square to 35 feet east of Liberty square. Pine wood block. Laid by James Doherty.	35 feet east of Liberty square to 49 feet east of Liberty square. Attecasphalt. Laid by James Doherty.	49 feet east of Liberty square to 8 feet west of Broad street. Residual asphalt. Laid by Central Construction Company.	S feet west of Washington street to 1 foot east of Shawmut avenue. Seyssel rock asphalt. Laid by Jones & Mechan.	Saratoga street to Bayswater street. Aztec asphalt. Laid by James Doherty.	At Market street. Simasco. Laid by Simpson Brothers Corporation	At Hyde Park avenue. Topeka. Laid by Martino DeMatteo	At Columbus avenue. Asphalt concrete (macadam base). Laid by Simpson Brothers Corporation.	At Centre street. Asphalt (macadam base). Laid by the Bermudez Company.	At Chilton road. Asphalt (macadam base). Laid by John T. Shea, Jr	At Washington street. Topeka (macadam base). Laid by Warren Brothers Company.	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	At Heath street. Mack brick block. Laid by Field, Barker & Underwood, Inc.
Water street (eity proper)	Water street (city proper)	Water street (city proper)	Water street (city proper)	Water street (city proper)	Water street (eity proper)	Waterford street (eity proper)	Waupello road (East Boston)	Waverley street (Brighton)	Webster street (Hyde Park)	Weld avenue (West Roxbury)	Weld street (West Roxbury)	Weld street (West Roxbury)	Welles avenue (Dorchester)	Wellington street (eity proper)	Wensley street (Roxbury)

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Wentworth street (Dorchester)	At Norfolk street. Bitulithic. Laid by James Doherty	1	4	1913	
West street (city proper)	Washingtonstreet to 8 feet west of Washington street. Mack brick block	8	20	1908	
West street (city proper)	S feet west of Washington street to 22 feet east of Tremont street. Black gunwood block. Laid by United States Wood Preserving Company.	463	1,126	1908	
West street (city proper)	22 feet east of Tremont street to Tremont street. Pine wood block. Laid by Coleman Brothers.	55	64	1915	
West street (Hyde Park)	9 feet west of Hyde Park avenue to Hyde Park avenue. Topeka. Laid by Martino DeMatteo.	6	30	1921	May 12, 1926.
West street (Hyde Park)	Hyde Park avenue, 9 feet east of Hyde Park avenue. Topeka. Laid by Martino DeMatteo.	6	58	1921	May 12, 1926.
West Broadway (South Boston)	209 feet east of Dorchester avenue to 8 feet west of A street. Sicilian rock asphalt. Laid by Boston Asphalt Company	} 348 {	666 612	$\frac{1892}{1917}$	Oct. 18, 1922.
West Broadway (South Boston)	S feet west of A street to west side bridge over New England Division, New York. New Havon & Hartford Railroad. Acres esphalt. Laid by Warren Brothers Company. Bessener brick Llock gutters. Laid by Warren Brothers Company.	378 {	1,215	1917 1917	Oct. 18, 1922. Oct. 18, 1922.
West Broadway (South Boston)	36 feet east of bridge over New England Division, New York, New Haven & Harfford Railroad to 148 feet west of Fafreet. Arme asphalt. Laid by Warren Brothers Company. Besenre brick block gutters. Laid by Warren Brothers Company.	2,153	7,438	1917 1917	Oct. 18, 1922. Oct. 18, 1922.
West Broadway (South Boston)	148 feet west of F street to 267 feet east of F street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	446	1,537	1897	
West Broadway (South Boston)	267 feet east of F street to 28 feet west of Dorchester street. Sicilian rock asplast. Laid by Boston Asphalt Company.	410	1,246	1898	

West Broadway (South Boston)	28 feet west of Dorchester street (south) to west side of Dorchester street		61	1905		
	(north). Bitulthic (crushed stone base). Laid by Warren Brothers Company.	····	55	1919	June 11, 1924.	
West Brookline street (city proper)	15 feet east of Tremont street to Tremont street. Asphalt. Laid by B. E. Grant Company.	15	61	1920	Sept. 18, 1925.	
West Brookline street (city proper)	Tremont street to 15 feet west of Tremont street. Asphalt. Laid by B. E. Grant Company.	15	59	1920	Sept. 18, 1925.	
West Brookline street (city proper)	At Warren avenue. Pine wood block. Laid by Boston Paving Company	4	16	1913		-
Westbrook street (East Boston)	At Saratoga street. Standard asphalt. Laid by Bermudez Company	00	32	1918	May 1, 1924.	_
West Canton street (city proper)	20 feet east of Tremont street to Tremont street. Asphalt. Laid by B. E. Grant Company.	20	62	1920	Sept. 18, 1925.	
West Canton street (city proper)	Tremont street to 13 feet west of Tremont street. Asphalt. Laid by B. E. Grant Company.	13	53	1920	Sept. 18, 1925.	
West Canton street (city proper)	13 feet west of Tremont street to 34 feet west of Tremont street. Asphalt (macadam base). Laid by B. E. Grant Company.	21	80	1920	Sept. 18, 1925.	
West Canton street (city proper)	34 feet west of Tremont street to 4 feet east of Warren avenue. Aome asphalt (macadam base). Laid by Warren Brothers Company Bessemer brick block gutters. Laid by Warren Brothers Company.	} 264 {	1,798 308	1916 1916		
West Canton street (city proper)	4 feet cast of Warren avenue to Warren avenue. Pine wood block. Laid by Boston Paving Company.	4	18	1913		
West Canton street (city proper)	Warren avenue to 4 feet west of Warren avenue. Pine wood block. Laid by Boston Paving Company.	4	18	1913		
West Canton street (city proper)	4 feet west of Warren avenue to 2 feet east of Appleton street. Acme asphalt (macadam base). Laid by Warren Brothers Company. Bessemer brick block gutters. Laid by Warren Brothers Company	} 257 {	828 145	1916 1916		
West Canton street (city proper)	2 feet east of Appleton street to Appleton street. Bitulithic. Laid by Fred S. & A. D. Gore Corporation.	61	1	1912		
West Canton street (city proper)	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	6	34	1906-07		
West Concord street (city proper)	At Tremont street. Asphalt. Laid by B. E. Grant Company	16	63	1920	Sept. 18, 1925.	

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
West Dedham street (city proper)	At Tremont street. Asphalt. Laid by B. E. Grant Company	15	59	1920	Sept. 18, 1925.
Westerly street (Roxbury)	At Centre street. Asphalt concrete (macadam base). Laid by B. E. Grant Company.	23	55	1921	Unfinished.
West Fifth street (South Boston)	At Dorchester street. Bitulithic. Laid by Samuel J. Tomascello	4	18	1921	Aug. 31, 1926.
West Fourth street (South Boston)	2 feet east of E street to E street. Bitulithic. Laid by Warren Brothers Company.	61	4	1903	
West Fourth street (South Boston)	Estreet to 207 feet west of Estreet. Bitulithic. Laid by Warren Brothers Company.	202	759	1903	
Westland avenue (Roxbury)	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	-	6	1901	
* Westland Entrance to Fens (Roxbury)	Westerly curb line of Hemenway street to 18 feet west of easterly curb line of the Fenway. Bitulithic (macadam base). Laid by Warren Brothers Company.	450	2,864	1920	Nov. 5, 1925.
Westminster street (Roxbury)	Hammond street to 23 feet south of Hammond street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	53	120	1912	
Westminster street (Roxbury)	23 feet south of Hammond street to 6 feet north of Ruggles street. Topeka. Laid by Central Construction Company.	1,153	3,853	1919	June 24, 1924.
Westminster street (Roxbury)	6 feet north of Ruggles street to Ruggles street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	19	1907	
Westminster street (Hyde Park)	9 feet west of Hyde Park avenue to Hyde Park avenue. Topeka. Laid by Martino DeMatteo.	6	53	1921	May 12, 1926.
Westminster street (Hyde Park)	Hyde Park avenue to 45 feet east of Hyde Park avenue. Topeka. Laid by Martino DeMatteo.	45	222	1921	May 12, 1926.
Westminster street (Hyde Park)	45 feet east of Hyde Park avenue to 90 feet east of Hyde Park avenue. Topeka (macadam base). Laid by Martino DeMatteo.	45	120	1921	May 12, 1926.

76 1919 May 14, 1924.	2,783 1921 July 18, 1926.	52 1920 Sept. 18, 1925.	111 1920 Sept. 18, 1925.	1904	97 1912	3,932 1917 ‡	19 1896	19 1896	26 1917 ‡	903 1903	345 1920	977 1921 June 20, 1926.	34 1906–07
323 1,176	736 2,7	13	17 1	762 3,021	13		4	4		539		417 9	6
		Ei				Vew 1,040 one	ock	ock	ine.		eka	:	ing
Washington street to Shawmut avenue. Aztec asphalt (macadam base).	Shawmut avenue to 13 feet east of Tremont street. Asphalt concrete (macadam base). Laid by Andrews Construction Company.	. 13 feet of Tremont street to Tremont street. Asphalt. Laid by B. Grant Company.	. Tremont street to 17 feet west of Tremont street. Asphalt. Laid by B. E. Grant Company.	. 17 feet west of Tremont street to 13 feet east of Columbus avenue. Bitulithic (crushed stone base). Laid by Warren Brothers Company.	. 13 feet east of Columbus avenue to Columbus avenue. Bitulithie. Laid by Fred S. & A. D. Gore Corporation.	Columbus avenue to 4 feet south of Huntington avenue (not including New York, New Haven & Hartford Railroad Bridge). Bitulithic (crushed stone base). Laid by Central Construction Company.	. 4 feet south of Huntington avenue to Huntington avenue. Sieilian rock asphalt. Laid by Boston Asphalt Company.	. Huntington avenue to 4 feet north of Huntington avenue. Siellian rock asphalt. Laid by Boston Asphalt Company.	4 feet north of Huntington avenue to 11 feet north of Huntington avenue. Mexican asphalt (crushed stone base). Laid by Central Construction Company.	. 11 feet north of Huntington avenue, aeross Belvidere street. Bitulithie (erushed stone base). Laid by Warren Brothers Company.	, 181 feet west of Riverdale street to 146 feet east of Riverdale street. Topeka (macadam base). Laid by department forces.	94 feet east of Market street to east abutment of bridge. Simasco. Laid by Simpson Brothers Corporation. Grouted concrete.	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.
West Newton street (city proper)	West Newton street (city proper)	West Newton street (eity proper)	West Newton street (eity proper)	West Newton street (eity proper)	West Newton street (city proper)	West Newton street (eity proper)	West Newton street (eity proper)	West Newton street (eity proper)	West Newton street (city proper)	West Newton street (eity proper)	Western avenue (Brighton) (south side),	Western avenue (Brighton)	West Rutland square (eity proper)

List of Streets Having a Smooth Pavement.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
West Seventh street (South Boston)	At Dorehester street. Bitulithic. Laid by Samuel J. Tomascello	41	18	1921	Aug. 31, 1926.
West Sixth street (South Boston)	At Dorchester street. Bitulithic. Laid by Samuel J. Tomascello	÷	18	1921	Aug. 31, 1926.
West Sixth street (South Boston)	C street to D street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	203	1,490	1905	
West Springfield street (city proper)	 feet east of Tremont street to Tremont street. Asphalt. Laid by B. E. Grant Company. 	15	19	1920	Sept. 18, 1925.
West Springfield street (city proper)	Tremont street to 15 feet west of Tremont street. Asphalt. Laid by B. E. Grant Company.	15	61	1920	Sept. 18, 1925.
West Springfield street (city proper)	9 feet east of Columbus avenue to Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	6	34	1906-07	
West Third street (South Boston)	153 feet west of E street to 2 feet east of E street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	187	702	1892	
West Tremlett street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	24	1913	
Westcott street (Dorchester)	At Talbot avenue. Maek briek block. Laid by James Doherty	12	09	1911	
Weston street (Roxbury)	Warwick street to Cabot street. Topeka. Laid by Central Construction Company.	164	40.1	1919	July 9, 1924.
Weston street (Roxbury)	Cabot street to Tremont street. Topeka. Laid by Central Construction Company.	366	978	1919	July 9, 1924.
Weston street (Roxbury)	At Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Company.	6	20	1906-07	
Westville street (Dorchester)	Each side of Geneva avenuc. Topeka (macadam base.) Laid by department forces.	61	16	1920	0
West Walnut park (Roxbury)	30 feet east of Columbus avenue to Columbus avenue. Asphalt concrete (macadam base). Laid by Simpson Brothers Corporation.	30	96	1921	Aug. 9, 1926.

West Walnut park (Roxbury)	Columbus avenue to 19 feet west of Columbus avenue. Asphalt concrete (macadam base). Laid by Simpson Brothers Corporation.	19	29	1921	Aug. 9, 1926.
Westwood street (Dorehester)	Richfield street to the south street line of Wales place. Mexican asphalt. Laid by Central Construction Company.	581	1,755	1917	June 1, 1922.
Wexford street (Brighton)	At Market street. Simaseo. Laid by Simpson Brothers Corporation	18	5.4	1921	June 20, 1926.
Wharf street (city proper)	At India street. Mexican asphalt. Laid by Central Construction Company.	1	77	1917	
Wheatland avenue (Dorehester)	At Washington street. Pine wood block. Laid by William J. Barry	10	38	1913	
Wheeler street (city proper)	Shawmut avenue to Corning street. Aeme asphalt. Laid by Warren Brothers Company.	360	585	1909	
Whitfield street (Dorehester)	13 feet north of Talbot avenue to Talbot avenue. Maek brick block. Laid by James Doherty.	13	09	1161	-
Whitfield street (Dorchester)	Talbot avenue to 13 feet south of Talbot avenue. Mack brick block. Laid by James Doherty.	13	22	11911	
Whitfield street (Dorchester)	13 feet south of Talbot avenue to 6 feet north of Southern avenue. Trinidad asphalt. Laid by Central Construction Company.	88	265	1914	
Whitfield street (Dorchester)	9 feet south of Southern avenue to 2 feet north of Norfolk street. Trinidad asphalt. Laid by Central Construction Company.	414	1,212	1914	
Whitfield street (Dorehester)	2 feet north of Norfolk street to Norfolk street. Bitulithic. Laid by James Doherty.	C1	t-	1914	
Whitman street (Dorchester)	At Norfolk street. Bitulithie. Laid by James Doherty	1	#	1913	
Whitmore street (eity proper)	8 feet south of Kneeland street to 6 feet north of Harvard street. Sieilian rock asphalt. Laid by Boston Asphalt Company.	235	417	1895	
Whitmore street (eity proper)	6 feet north of Harvard street to Harvard street. Pine wood block. Laid by J. H. McCarthy.	9	10	1910	
Whitney street (Roxbury)	At Conant street. Aztee asphalt (macadam base). Laid by Bermudez Company.	2	18	1919	Nov. 1, 1924.
Whitney street (Roxbury)	Each side Smith street. Aztec asplialt (macadam base). Laid by Bermudez Company.	7	40	1919	Nov. 8, 1924.

List of Streets Having a Smooth Pavement.—Continued.

Nrreetts	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Whittemore terrace (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	01	56	1910	
Whitten street (Dorchester)	Dorchester avenue to east street line Althea road. Bitulithic. Laid by Warren Brothers Company.	1,018	3,098	1921	Aug. 10, 1926.
Whittier street (Roxbury)	Cabot street to Tremont street. Mack brick block. Laid by John E. Burns & Co.	989	1,874	1909	
Whittier street (Roxbury)	Tremont street to 5 feet cast of Columbus avenue. Mack brick block. Laid by John E. Burns & Co.	207	782	1909	
Whittier street (Roxbury)	5 feet east of Columbus avenue to Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Company.	ro	25	1906-07	
Wiget street (city proper)	Salem street to 6 feet west of Salem street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	9	1-	1901	
Wiget street (city proper)	6 feet west of Salem street to North Margin street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	253	233	1897	
Wiggin street (city proper)	North Bennet street to Tileston street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	108	120	1905	
Wigglesworth street (Roxbury)	At Longwood avenue. Mack brick block. Laid by Field, Barker & Underwood, Inc.	∞	83	1910	
Wilbur street (Dorchester)	Cushing avenue to Upham avenue. Topeka. Laid by Central Construction Company.	336	828	1920	Oct. 20, 1925.
Wilcock street (Dorchester)	Blue Hill avenue to Morton street. Topeka (macadam base). Laid by Rowe Contracting Company.	778	2,279	1920	July 7, 1925.
Wilder street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	30	1912	
Wilkes street (city proper)	Washington street to Bradford street. Asphalt (macadam base). Laid by Rowe Contracting Company.	264	267	1921	**

Willow street (West Roxbury)	Centre street to 53 feet north of Centre street. Topeka. Laid by Rowe Contracting Company.	53	861	1921	Aug. 26, 1926.
William Jackson avenue (Brighton)	Chestnut Hill avenue to Academy Hill road. Asphalt. Laid by John J. Lane.	502	957	1920	Nov. 30, 1925.
Williams street (Roxbury)	Washington street to Shawmut avenue. Topeka. Laid by Central Construction Company.	514	1,490	1919	June 24, 1924.
Williams street (Roxbury)	Shawmut avenue to Westminster street. Topeka. Laid by Central Construction Company.	441	1,277	1919	June 24, 1924.
Willis street (Dorchester)	At Pleasant street. Topeka (macadam base). Laid by Central Construction Company.	41	102	1920	Sept. 22, 1925.
Willow street (West Roxbury)	Centre street to 53 feet north of Centre street. Topeka. Laid by Rowe Contracting Company.	53	198	1921	Aug. 26, 1926.
Willowwood street (Dorehester)	At Norfolk street. Bitulithic. Laid by Warren Brothers Company	œ	25	1918	Nov. 4, 1923.
Wilmore street (Dorchester)	At Norfolk street. Bitulithic. Laid by Warren Brothers Company	11	40	1918	Nov. 4, 1923.
Winchester street (eity proper)	At Broadway. Pine wood block. Laid by Coleman Brothers	10	58	1913	
Windermere road (Dorchester)	At Stoughton street. Topeka (macadam base). Laid by Department forces,	က	10	1920	
Windsor street (Roxbury)	Shawmut avenue to Westmiuster street. Topeka. Laid by Central Construction Company.	425	1,605	1919	July 9, 1924.
Windsor street (Roxbury)	Westminster street to Warwick street. Topeka. Laid by Central Construction Company.	365	1,379	1919	July 9, 1924.
Windsor street (Roxbury)	Warwick street to Cabot street. Topeka. Laid by Central Construction Company.	164	624	1919	July 9, 1924.
Winship street (Brighton)	At Washington street. Bitulithie. Laid by Warren Brothers Company	18	140	1913	
Winslow street (Roxbury)	At Zeigler street. Bitulithic. Laid by John F. Beatty	1	ຄ	1914	
Winslow street (Roxbury)	At Dudley street. Mack brick block. Laid by James Doherty	œ	23	1910	
Winter street (eity proper)	Washington street to 10 feet east of Tremont street. Bitulithic. Laid by Warren Brothers Company.	505	1,122	1913	

List of Streets Having a Smooth Pavement.—Continued.

		n 4	Area, Year Square Laid. Yards. 31 1915 45 1913	Guaranty Expires.
			<u>-</u>	-
			_	Dec. 15, 1922.
			29 1921	May 12, 1926.
			212 1913	
		_	4 1913	
		313	595 1920	July 29, 1925.
Woodeliff street (Roxbury) Dacia street to Blue Hill avenue. Bitulithic. Laid by Warren Brothers Company.		310	896 1906	
Woodrow avenue (Dorchester) At Wollaston terrace. Topeka (macadam base). Laid by Rowe Contracting Company.		:	10 1920	July 29, 1925.
Woodrow avenue (Dorchester) 49 feet east of Irma street to 10 feet west of Irma street. Bitulithic (macadam base). Laid by Warren Brothers Company.	t to 10 feet west of Irma street. Bitulithic (mac-Varren Brothers Company.	68	302 1919	May 26, 1924.
Woodrow avenue (Dorchester) At Lucerne street. Astec asphalt (macadam base).	Aztec asphalt (macadam base). Laid by Bermudez		25 1919	Oct. 20, 1924.
Woolson street (Dorchester)	thic. Laid by Warren Brothers Company	os.	25 1918	Nov. 4, 1923.
Worcester square (city proper) Washington street to 3 feet west of Harrison avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.		660 3,8	3,807 1919	Nov. 11, 1924.
Worcester square (city proper) 3 feet west of Harrison avenue to Harrison avenue. Mexican asphalt. Laid by Central Construction Company.	avenue to Harrison avenue. Mexican asphalt.	m	24 1919	Nov. 11, 1924.

Nov. 11, 1924.		Nov. 11, 1924.	Sept. 18, 1925.	Sept. 18, 1925.	Nov. 11, 1924.	Nov. 11, 1924.	Aug. 6, 1922.	Aug. 6, 1922.	May 1, 1924.	May 1, 1924.	Nov. 8, 1924.			
1919	1906-07	1919	1920	1920	1919	1919	1917	1917	8161	1918	1919	1910	1910	1915
8	31	2,460	55	22	3,151	1,289	1,090	1,186	32	53	42	23	56	2,395
C1	S	635	ເດ	က	832	340	316	335	∞	11	14	S	œ	828
Columbus avenue to 2 feet east of Columbus avenue. Mexican asphalt. Laid by Central Construction Company.	2 feet east of Columbus avenue to 10 feet east of Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	10 feet east of Columbus avenue to 5 feet west of Tremont street. Mexican asphalt (macadam base). Laid by Central Construction Company.	5 feet west of Tremont street to Tremont street. Asphalt. Laid by B. E. Grant Company.	Tremont street to 5 feet east of Tremont street. Asphalt. Laid by B. E. Grant Company.	5 feet east of Tremont street to Shawmut avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	Shawmut avenue to Washington street. Mexican asphalt (macadam base). Laid by Central Construction Company.	Coleridge street to 70 feet north of Cowper street. Mexican asphalt. Laid by Central Construction Company.	45 feet south of Homer street to 9 feet north of Horace street. Mexican asphalt. Laid by Central Construction Company.	Sfeet south of Sararoga street to Saratoga street. Standard asphalt. Laid by Bermudez Company.	Saratoga street to 11 feet west of Saratoga street. Standard asphalt. Laid by Bernudez Company.	Each side of Smith street. Aztec asphalt (macadam base)	S feet south of Longwood avenue to Longwood avenue. Mack brick block. Laid by Field, Barker & Underwood, Inc.	Longwood avenue to 8 fect north of Longwood avenue. Mack brick block. Laid by Field, Barker & Underwood, Inc.	Sfeet north of Longwood avenue to street No. 220. Trinidad asphalt. Laid by Central Construction Company.
Worcester street (city proper)	Worcester street (city proper)	Worcester street (city proper)	Worcester street (city proper)	Worcester street (city proper)	Worcester street (city proper)	Worcester street (city proper)	Wordsworth street (East Boston)	Wordsworth street (East Boston)	Wordsworth street (East Boston)	Wordsworth street (East Boston)	Worthington street (Roxbury)	Worthington street (Roxbury)	Worthington street (Roxbury)	Worthington street (Roxbury)

List of Streets Having a Smooth Pavement.—Concluded.

Streets.	Limits.	Length in Feet.	Length Square in Feet. Yards.	Year Laid.	Guaranty Expires.
Wyman street (Roxbury)	At Centre street. Asphalt concrete (macadam base). Laid by B. E. Grant Company.	10	31	1921	Unfinished.
Yarmouth street (city proper)	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	6	34	1906	
York street (Dorehester)	Greenwood street to Glenway street. Topeka. Laid by Rowe Contracting Company.	440	1,274	1919	Dec. 10, 1924.
Zeigler street (Roxbury)	7 feet east of Washington street to Warren street. Granitoid concrete blocked pavement. Laid by R. S. Blome Company.	315	976	1908	
Zeigler street (Roxbury)	Warren street to Harrison avenue. Bitulithie. Laid by John F. Beatty	177	380	1914	
Zeigler street (Roxbury)	S feet east of Harrison avenue to 9 feet west of Dearborn street. Bitulithic. Laid by John F. Beatty.	998	1,864	1914	
Zeigler street (Roxbury)	9 feet west of Dearhorn street to Dearborn street. Anne asphalt. Laid by Warren Brothers Company. Bessemer brick block gutters. Laid by Warren Brothers Company	6 {	15	1917 1917	Nov. 20, 1922. Nov. 20, 1922.

TOTALS OF SMOOTH PAVEMENT STREETS, FEBRUARY 1, 1922.

Wood Block.

w.r.T					The same of the same of	
	UNDER GUARANTY.	ARANTY.	Not Under Guaranty.	GUARANTY.	Torals	
KIND. Lengt	Length, Feet.	Area, Square Yards.	Length, Feet.	Area, Square Yards.	Length, Feet.	Area, Square Yards.
Black gum.			944	5,921	644	5,921
Pine. 17,9	17,964	76,749	41,222	189,522	59,186	266,271
Jennison Wright pine.			529	2,230	529	2,230
Jennison Wright slab wood pavement			1,103	6,152	1,103	6,152
Total, wood block	17,964	76,749	43,798	203,825	61,762	280,574
Brick Block.	ķ .					
Mack			24,027	95,254	24,027	95,254
Barrington			266	558	266	558
Metropolitan			756	3,059	756	3,059
Vitrified			565	503	265	503
Canton block			636	1,764	989	1,764
Bessemer		2,355	1,694	9,604	1,694	11,959
Portland stone				128		128
Miscellaneous			89	302	89	302
Total, brick block		2,355	28,312	221,111	28,312	113,527

SUMMARIES OF SMOOTH PAVEMENT STREETS, FEBRUARY 1, 1922.

	UNDER G	Under Guaranty.	Not Under Guaranty	GUARANTY.	Totals	A U.S.
Kind.	Length, Feet.	Area, Square Yards.	Length, Feet.	Area, Square Yards,	Length, Feet.	Area, Square Yards.
Asphalt	92,410	376,902	147,864	410,614	240,274	787,516
Unionite	121	470			121	470
Asphalt concrete	24,750	105,123		:	24,750	105,123
Simasco	6,248	20,628			6,248	20,628
Asphalt block			86	774	86	774
Bitulithic	37,059	159,047	72,098	275,838	109,157	434,885
Topeka	62,971	229,729	9,357	28,549	72,328	258,278
Endurite			10	1,614	10	1,614
Filbertine	326	959			326	959
Concrete road	692	2,041	8,344	22,563	9,036	24,604
Granitoid concrete blocked pavement			315	946	315	9+6
Soilanuies concrete			550	988	220	836
Wood block	17,964	76,749	43,798	203,825	61,762	280,574
Brick block		2,355	28,312	111,172	28,312	113,527
Seonia block			322	254	322	254
Total of all smooth pavenients.	242,541	974,003	310,738	1,056,985	553,279	2,030,988

LIST OF STREETS PAVED WITH GRANITE BLOCKS HAVING A MAINTENANCE GUARANTY. All Pavement laid on a Concrete Base unless otherwise designated.

A street (South Boston) 7 feet west of Go	Limits.	Length in Feet.	Square Yards.	Year Laid.	Gua Exp	Guaranty Expires.
	7 feet west of Gold street to Dorchester avenue. Laid by Central Construction Company. (Old.) Grout Join's.	54	508	1918	Nov.	9, 1922.
Albano street (West Roxbury) Fach side of Wa	Fach side of Washington street. Laid by Gore, Inc. Asphalt mastic joints. (New.)	16	20	1921	Dec.]	Dec. 12, 1926.
Albuny street (city proper) Keelund street i Brothers, (N	Neel-and street to Boston & Albany Railroad Bridge. Laid by Coleman Brothers. (New.) Grout joints.	1,272	5,828	1918	Aug. 1	Aug. 13, 1923.
Albany street (city proper) Broadway to 72 Grout joints.	Broadway to 72 feet south of Broadway. Laid by James Doherty. (New.) Grout joints.	73	433	1921	May	9, 1926.
Albany street (city proper)	72 feet south of Broadway to 6 feet south of Oneida street. Laid by James Doherty. (Old blocks.) Grout joints.	176	1,056	1920-21	May	9, 1926.
Albany street (city proper) 6 feet south of James Dohert	6 feet south of Oneida street to 13 feet south of Genesee street. Laid by James Doherty. (New block.) Grout joints.	248	1,488	1920-21	May	May 9, 1926.
Albany street (city proper)	13 feet south of Genesee street to 84 feet south of Troy street. Laid by James Doherty. (Old block.) Grout joints.	328	1,968	1920–21 May 9, 1926.	May	9, 1926.
Albany street (city proper) (New.) Grout joints.	Dover street to 7 feet north of Stoughton street. Laid by Bernard E. Grant. (New.) Grout joints.	3,577	22,144	1917	Jan. 2	Jan. 21, 1923.
Albion place (Charlestown) At Main street.	At Main street. Laid by William J. Barry. (Recut block.) Grout joints	13	37	1919-20	June 1	June 12, 1925.
Alden street (eity proper) At Sudbury stre	At Sudbury street. Laid by Simpson Brothers Corporation. (New.) Grout joints.	၁	767	1918	Sept.	6, 1923.
Amory street (Roxbury) Centre street to 10 feet (New.) Grout joints.	Centre street to 10 feet north of Bragdon street. Laid by James Doherty. (New.) Grout joints.	1,398	5,525	1917	June	June 1, 1922.

List of Streets Paved with Granite Blocks Having a Maintenance Guaranty.—Continued.

Streets.	Dâmits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Anderson street (city proper)	At Cambridge street. Laid by Central Construction Company. (Recut.) Grout joints.	×	25	1919	Aug. 16, 1924.
Ashland street (West Roxbury)	Washington street to 51 feet south of Washington street. Laid by William J. Barry. (New.) Grout joints.	51	194	1920	Dec. 24, 1925.
Atlantic avenue (city proper)	South street line of Kineeland street to 91 feet south of Summer street. Laid by Coleman Brothers. (Old.) Grout joints.	1,153	8,790	1918	Nov. 2, 1923.
Atlantic avenue (city proper)	67 feet north of Summer street across Broad street. Laid by Bernard E. Grant. (Old.) Grout joints.	2,021	17,095	1918-19	Oct. 3, 1924.
Atlantic avenue (city proper)	Broad street to south side of South Market street. Laid by Rossetti & Co. (New.) Grout joints.	1,281	11,152	1918	Jan. 17, 1924.
Atlantic avenue (city proper)	South side of South Market street to Commercial street. Laid by D'Onfro 1,270 Brothers. (New.) Grout joints.		11,043	1918-19	May 31, 1924.
Auburn street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	16	48	1919	June 12, 1925.
Austin street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	13	37	1919	June 12, 1925.
Baldwin street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	12	52	1919	June 12, 1925.
Baldwin street (Charlestown)	At Main street. Laid by Coleman Brothers. (Recut.) Grout joints	10	32	1920	July 8, 1925.
Beach street (city proper)	Harrison avenue to Atlantic avenue. Laid by Bernard E. Grant. (New.) Grout joints.	1,264	4,811	1917	Aug. 6, 1922.
Beacon street (city proper)	12 feet west of Tremont street to 21 feet west of Park street. Laid by Bernard E. Grant. (New.) Grout joints.	827	2,318	1917	Oct. 21, 1922.
Beacon street (city proper)	21 feet west of Park street to Charles street. Laid by Bernard E. Grant. (Gutters — old blocks.) Grout joints.	:	1,124	1917	Nov. 15, 1922.
Belcher lane (city proper)	Belcher lane (city proper) At Atlantic avenue. Laid by Bernard E. Grant. (Old.) Grout joints	6	6	1919	Oct. 3, 1924.

Belden street (Dorchester)	Belden street (Dorchester) At Dudley street. Laid by DeStefano Brothers. (Old block.) Grout joints.	10	17	17 1920–21 April 5, 1926.	April	5, 1926.
Bellfower street (Dorchester)	At Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints.	11	33	1919	Aug. 3	Aug. 30, 1924.
Bennington street (East Boston)	Central square, across Marion street. Laid by McGuire & McGourty. (Recut.) Grout joints.	878	3,317	1919	Dec. 1	Dec. 13, 1924.
Bennington street (East Boston)	Marion street, across Prescott street. Laid by McGuire & McGourty. (Recut.) Grout joints.	1,942	4,116	1919	Dec. 1	Dec. 13, 1924.
Bennington street (East Boston)	Prescott street to 76 feet north of Prescott street. Laid by McGuire & McGourty. (Recut.) Grout joints.	92	120	1919	Dec. 1	13, 1924.
Benton street (Roxbury)	At Tremont street. Laid by Bernard E. Grant. (Recut.) Grout joints	12	33	1919	Dec. 1	Dec. 12, 1924.
Blackstone street (city proper)	Clinton street to Hanover street. Laid by Coleman Brothers. (Old blocks.) Grout joints.	669	3,299	1920	Sept.	9, 1925.
Blackstone street (city proper)	Hanover street to 28 feet south of Haymarket square. Laid by Coleman Brothers. (Old block.) Grout joints.	388	1,733	1920	Sept.	Sept. 9, 1925.
Blossom street (city proper)	Cambridge street to 10 feet north of Cambridge street. Laid by Central Construction Company. (Recut.) Grout joints.	10	53	1919	Aug. 1	Aug. 16, 1924.
Bowker street (city proper)	At Sudbury street, Laid by Simpson Brothers Corporation. (Old.) Grout joints, gravel base.	57	215	1918	Sept.	Sept. 6, 1923.
Boylston street (Roxbury)	14 feet west of St. Cecilia street to 90 feet east of Massachusetts avenue. Laid by James Doherty. (New.) Grout joints.	136	504	1919	Aug. 3	30, 1924.
Boylston street (Roxbury)	Boston & Albany Railroad Bridge to 14 feet west of St. Cecilia street. Laid by James Doherty. (Recut.) Grout joints.	91	363	1919	Aug. 3	30, 1924.
Branch street (city proper)	At Charles street. Laid by B. E. Grant Company. (Recut.) Grout joints,	10	18	1921	Nov. 1	Nov. 19, 1926
Bremen street (East Boston)	193 feet north of Maverick street to 110 feet north of Porter street. Laid by Coleman Brothers, Inc. (Old.) Gravel base. Grout joints.	1,239	3,332	1921	July	5, 1926.
Broad street (eity proper)	At Atlantic avenue. Laid by Bernard E. Grant. (New.) Grout joints	99	477	1919	Oct.	3, 1924.
Broudway (city proper)	Abany street to bridge abutment at Lehigh street. Laid by James Doherty. (Old.) Grout joints.	113	591	1921	May	9, 1926.

List of Streets Paved with Granite Blocks Having a Maintenance Guaranty.—Continued.

-XPRBBT7.	Damits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Broadway (city proper)	Washington street to Harrison avenue. Laid by James Doherty. (Recut.) Grout joints.	385	1,750	1918	Oct. 5, 1923.
Broadway (city proper)	Harrison avenue to Boston & Albany Railroad Bridge. Laid by James Doherty. (Recut.) Grout joints.	230	1,120	1918	Oct. 5, 1923.
Brooks street (East Boston)	At each side of Bennington street. Land by McGuire & McGourty. (Recut.) Grout joints.	18	65	1919	Dec. 13, 1924.
Buckingham street (city proper)	At Darlmouth street. Laid by James Doherty. (Recut.) Grout joints.	10	36	1918	Oct. 26, 1923.
Bunker Hill street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	30	120	1920	June 12, 1925.
Burke street (Roxbury)	At Tremont street. Laid by Bernard E. Grant. (Recut.) Grout joints	17	38	1919	Dec. 12, 1924.
Burlington avenue (Roxbury)	Brookline avenue to Boston & Albany Railroad. Laid by Gore, Inc. (Recut.) Grout joints.	516	1,942	1919	July 19, 1924.
Bushnell street (Dorchester)	At Dorehester avenue. Laid by Gore, Inc. (Recut.) Grout joints	6	142	1921	Nov. 24, 1926.
C street (South Boston)	At Furgo street. Each side of Fargo street. Laid by B. E. Grant Company. (Recut.) Grout joints.	∞	95	1921	May 2, 1926.
Cabot street (Roxbury)	Tremont street to 154 feet south of Tremont street. Laid by Bernard E. Grant. (Recnt.) Grout joints.	154	269	1919	Dec. 12, 1924.
Cambridge street (eity proper)	Charles street across South Russell street. Laid by Central Construction 1,309 Company. (Recut.) Grout joints.	1,309	5,206	1919	Aug. 16, 1924.
Cambridge street (Charlestown)	Main street to 73 feet west of Main street. Laid by William J. Barry. (Recut.) Grout joints.	73	985	1919	June 12, 1925.
Cambridge street (Charlestown)	73 feet west of Main street to 63 feet west of Rutherford avenue. Laid by Coleman Brothers. (0ld.) Grout joints.	118	973	1920	July 18, 1925.
Canal street (city proper)	Haymarket square to Causeway street. Laid by Bernard E. Grant. (New.) 1,060 Grout joints.	1,060	5,493	1917	July 9, 1922.

Causeway street (city proper)	At Portland street. Laid by B. E. Grant Company. (Old.) Grout joints	:	124	1921	June 28, 1926.
Causeway street (city proper)	12 feet west of Washington Street North, across Prince street. Laid by Bernard E. Grant. (Old.) Grout joints.	251	1,720	1919	Nov. 1, 1924.
Central street (city proper)	At Atlantic avenue. Laid by Rossetti & Co. (New.) Grout joints	52	277	1918	Jan. 17, 1924.
Centre avenue (Dorchester)	At Dorchester avenue. Laid by Gore, Inc. Asphalt joints. (New.)	10	40	1921	Nov. 24, 1926.
Centre street (Roxbury)	104 feet east of Columbus avenue to 92 feet west of Columbus avenue. Laid by John Kelly Company. (Recut and old.) Grout joints.	196	1,845	1921	Oct. 13, 1926.
Centre street (Roxbury)	92 feet west of Columbus avenue to 28 feet west of Parker street. Laid by B. E. Grant Company. (Recut.) Grout joints.	266	5,700	1921	Unfinished.
Centre street (Roxbury)	28 feet west of Parker street, across Forbes street. Laid by B. E. Grant Company. (Brows to track.) (Recut.) Grout joints.		596	1921	Unfinished.
Centre street (Roxbury)	Forbes street to 264 feet east of Barbara street. Laid by B. E. Grant Company. (Brows to west track.) (Recut.) Grout joints.	:	45	1921	Unfinished.
Centre street (West Roxbury)	Boylston street to 104 feet west of Lockstead avenue. Laid by B. F. Grant Company. (Brows to track.) (Recut.) Grout joints.	:	150	1921	Unfinished.
Centre street (Dorchester)	11 feet east of Dorchester avenue to Dorchester avenue. Laid by Gore, Inc. (Recut.) Grout joints.	11	20	1921	Unfinished.
Centre street (Dorchester)	Dorehester avenue to 12 feet west of Dorehester avenue. Laid by Gore, Inc. (New.) Asphalt joints.	12	45	1921	Nov. 24, 1926.
Channing street (city proper)	Federal street to 9 feet east of Federal street. Laid by James Doherty. (Recut.) Grout joints.	6	20	1919	April 29, 1925.
Channing street (city proper)	9 feet east of Federal street to Congress street. Laid by James Doherty (Old.) Grout joints. Gravel base.	221	126	1919-20	April 29, 1925.
Chapman street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Gravel base. Gront joints.	10	67	1919	June 12, 1925.
Chapman street (Charlestown)	Each side Rutherford avenue. Laid by Coleman Brothers. (Recut.)	31	108	1920	July 8, 1925.
Chardon street (city proper)	At Portland street. Laid by B. E. Grant Company. (Old.) Grout joints.	10	200	1921	June 28, 1926.
Charles street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	10	16	1920	June 12, 1925.

List of Streets Paved with Granite Blocks Having a Maintenance Guaranty. -- Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Charles street (city proper)	Shortside road to Cambridge street. Laid by B. E. Grant Company. (New.) Asphalt joints.	103	477	1921	Nov. 19, 1926.
Charter street (city proper)	At Commercial street. Laid by Bernard E. Grant. (Old.) Grout joints	6	25	1918	Nov. 1, 1924.
Chestnut avenue (Roxbury)	At Centre street. Laid by B. E. Grant Company. (Recut.) Grout joints	10	40	1921	Unfinished.
Church street (city proper)	. Tremont street to 10 feet north of Tremont street. Laid by James Doherty. (New.) Grout joints.	10	30	1919	July 15, 1925.
Church street (city proper)	10 feet north of Tremont street to 6 feet south of Fayette street. Laid by Jamos Doberty. (Old.) Grout joints.	129	37.2	1919	July 15, 1924.
Clarendon street (c'ty proper)	. Bridge over Boston & Albany Rajlroad to Stuart street. Laid by Gore, Inc. (New.) Grout joints.	418	1,674	1921	Aug. 10, 1926.
Clark street (city proper)	At Commercial street. Laid by D'Onfro Brothers. (Old.) Grout joints	10	56	1919	Aug. 13, 1924.
Clifton street (Dorchester)	At Dudley street. Laid by DeStefano Brothers. (Old.) Grout joints	10	62	1920	April 5, 1926.
Clinton street (city proper)	. Merchants row, across Commercial street. Laid by Coleman Brothers. (New.) Grout joints.	593	2,589	1918	July 27, 1923.
Columbia road (Dorchester)	. Each side of Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints.	- 58	623	1919	Aug. 30, 1924.
Columbus avenue (Roxbury)	. 67 feet north of Station street to Tremont street. Laid by Bernard E. Grant. (Recut.) Grout joints.	186	1,328	1919	Dec. 12, 1924.
Columbus avenue (Roxbury)	. Tremont street, across Centre street. Laid by John Kelly Company. (Recut and old.) Grout joints.	2,908	19,279	1921	Oct. 13, 1926.
Columbus avenue (Roxbury)	Contre street to 84 feet south of Centre street. Laid by John Kelly Company. (Recut and old.) Grout joints.	84	504	1921	Oct. 13, 1926.
Commerce street (city proper)	Commerce street (city proper) At Atlantic avenue. Laid by Rossetti & Co. (New.) Grout joints	39	173	1918	Jan. 17, 1924.

	Bernard E. Grant. (Old.) Groot restreet. Laid by D'Onfro Brother amond street. Laid by B. E. Granmond street. Laid by B. F. Granmond street. Laid by B. F. Granmond Street. Only Grout joints	s. 1,341 at 38 at 611	1,17S 9,050 205 33 1,084	1918 1918-19	Nov. 1, 1924.	1, 1924.
North side of Fleet street, across Hanover street. Laid by D'Onfro Brothers. (Old.) Grout joints. 38 feet south of Richmond street to Richmond street. Laid by B. E. Grant Company. (Old.) Grout joints. Richmond street to 6 feet north of Richmond street. Laid by B. E. Grant Company. (Old.) Grout joints. At Tremont street. Laid by James Doherty. (New.) Grout joints joints. 35 feet north of Atlantic avenue to Atlantic avenue. Laid by Bernard E. Grant. (Old.) Grout joints. Franklin street to 138 feet north of Franklin street. Laid by James Doherty. (Old.) Grout joints. At Washington street. Laid by William J. Barry. (New.) Grout joints At Tremont street. Laid by William J. Barry. (Reent.) Grout joints At Dorchester avenue. Laid by William J. Barry. (Reent.) Grout joints	restreet. Laid by D'Onfro Brother mond street. Laid by B. F. Granmond street. Laid by B. F. Granerty. (New.) Grout joints	1,3	9,050 205 33 173 4,084	1918-19		
	mond street. Laid by B. F. Gran mond street. Laid by B. F. Gran terty. (New.) Grout joints		205 33 173 4,084		Aug. 13, 1924.	3, 1924.
	mond street. Laid by B. F. Gran terty. (New.) Grout joints		33 173 4,084	1921	July 8	8, 1926.
	erty. (New.) Grout joints	<u>.</u>	1,73	1921	July 8	8, 1926.
	by Tolly D Oning (Now) Cros		4,084	6161	July 15, 1924.	5, 1924.
	by John E. Quant. (New.) Chor			1918	Aug. 28	28, 1923.
	artie avenue. Laid by Bernard l	35	160	9161	Oct. 3, 1924.	3, 1924.
	klin street. Laid by James Dohert	y. 138	040	1920	Sept.	2, 1925.
	n J. Barry. (New.) Grout joints	19	71.	1920	Dec. 24, 1925.	4, 1925.
	erty. (Old.) Grout joints	10	31	6161	July 15, 1924.	5, 1924.
	n J. Barry. (Reent.) Grout joint	113	Ŧ.2	1919	Aug. 30, 1924.), 1924.
Cross street (city proper)	ı street, Laid by Coleman Brothe	rs. 467	866	1918	July 28, 1923.	8, 1923.
Cross street (city proper)	ı Hanover street. Laid by Colema	m 287	627	1918	July 28	28, 1923.
Cross street (eity proper)	st of Endicott street. Laid by Coles.	e 439	781	1918	July 28, 1923.	8, 1923.
Cross street (city proper)	aast of Haymarket square. Laid k oints.	y 195	585	1918	July 28, 1923.	8, 1923.

List of Streets Paved with Granite Blocks Having a Maintenance Guaranty.—Continued.

rist of streets	LIST OF SHIEGES PAVED WITH CHAIRING BIOCKS HAVING A MAINTENANCE CHAIRINGS.	al alley.	COLLE	maan.	
Strebets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Cunard street (Roxbury)	Each side of Tremont street. Laid by Bernard E. Grant. (Recut.) Grout joints.	22	85	1919	Dec. 12, 1924.
Dartmouth street (eity proper)	Tremont street to 4 feet south of Warren avenue. Laid by James Doherty. (New.) Grout joints.	202	2,240	1918	Oct. 26, 1923.
Dartmouth street (eity proper)	4 feet north of Warren avenue to Columbus avenue. Laid by James Doherty. (New.) Grout joints.	536	2,381	1918	Oct. 26, 1923.
Dartmouth street (city proper)	10 feet north of Columbus avenue to bridge over New York, New Haven & Hartford Railroad. Laid by James Doherty. (New.) Grout Joints.	+9+	1,190	8161	Oct. 26, 1923.
Dartmouth street (eity proper)	Bridge over Boston & Albany Railroad to 3 feet south of Stuart street. Laid by James Doherty. (New.) Grout joints.	131	482	1918	Oct. 26, 1923.
Devens street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	57	200	1919	June 12, 1925.
Devonshire street (city proper)	North side of Franklin street to 100 feet south of Franklin street. Laid by James Doherty. (Old.) Grout joints.	100	390	1920	Sept. 2, 1925.
Dorchester avenue (city proper)	Congress street to Summer street. Laid by John E. Quinn. (New.) Grout joints.	316	2,107	1918	Aug. 26, 1923.
Dorchester avenue (South Boston)	South abutment. Bridge over Fort Point Channel to 3 feet south of West Second street. Laid by John Kelly Company. (Old.) Grout joints.	612	3,489	1920	Dec. 24, 1925.
Dorchester avenue (South Boston)	176 feet north of Hyde street to 3 feet north of Ralston street. Laid by William J. Barry. (Recut.) Grout joints.	368	1,635	1919	Aug. 30, 1924.
Dorchester avenue (South Boston)	South side bridge over Old Colony Railroad to L50 feet south of Washburn street. Laid by William J. Barry. (Recut.) Grout joints.	525	2,333	1919	Aug. 30, 1924.
Dorchester avenue (Dorchester)	150 feet south of Washburn street to 67 feet north of Victoria street. Laid by William J. Barry. (Recut.) Grout joints.	3,381	15,027	1919	Aug. 30, 1924.
Dorchester avenue (Dorchester)	10 feet south of Hallam street to 8 feet south of Savin Hill avenue. Laid by William J. Barry. (Recut.) Grout joints.	553	2,478	1919	Aug. 30, 1924.

8,422 1917 Nov. 17, 1922.	7,408 1918 Dec. 1, 1923. 4,125 1917 Dec. 18, 1922.	2,808 1918 Dec. 19, 1923.	3,708 1921 Nov. 24, 1926. 1,616 1921 Nov. 24, 1926.	2.898 1921 Nov. 24, 1926. 1,265 1921 Nov. 24, 1926.	5,530 1921 Nov. 24, 1926. 7,959 1921 Nov. 24, 1926.	16,610 1917-18 June 4, 1923.	2,394 1917-18 June 4, 1923.	239 1921 Aug. 3, 1926.	47 1919 Aug. 30, 1924.	33 1919 Aug. 30. 1924.	53 1921 Nov. 24, 1926.	5,914 1920 April 5, 1926.
1,895	2.742	673	1,261	986 {	1,885	3,934	609	106	6	11	11	1,412
Dorchester avenue (Dorchester) 8 feet south of Savin Hill avenue to 52 feet north of East street. Laid by 1,895 Bernard E. Grant. (Recut.) Grout joints.	52 feet north of East street to 14% feet south of Charles street. (Recut.) East side and between tracks laid by James Doherty. Grout joints West side laid by Bernard E. Grant. Grout joints	. 148 feet south of Charles street to 27 feet south of Park street. Laid by James Doherty. (Old.) Grout joints.	27 feet south of Park street to 29 feet north of Dix street. Laid by Gore, Inc. East side. (Recut.) Grout joints. West side. New asphalt joints.	North side of Mather street to 49 feet north of king street. Laid by Gore, Inc. East side. (Recut.) Grout joints. West side. New asphalt joints.	9 feet south of Roseland street to bridge over New York, New Haven & Hartford Railroad. Laid by Gore, Inc. East side. (Reeut, Grout, joints. West side. New asphalt joints.	South side of bridge over New York, New Haven & Hartford Railroad (Peabody square) to 118 feet south of Bellows place. Laid by James Doherty. (Old.) Gravel base. Grout joints.	2 feet north of Richmond street to Washington street. Laid by James Doherty. (Old.) Gravel base. Grout joints.	East side West Eighth street to 106 feet north of West Eighth street. Laid by Samuel J. Tomasello. (Asphalt joints.) (Old.)	Each side of Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints.	At Dorehester avenue. Laid by William J. Barry. (Recut.) Grout joints,	At Dorehester avenue. Laid by Gore, Inc. (Recut.) Grout joints	50 feet west of Magnolia street to Columbia road. Laid by De Stefano Brothers. (Old.) Grout joints.
Dorchester avenue (Dorchester)	Dorchester avenue (Dorchester)	Dorchester avenue (Dorchester)	Dorchester avenue (Dorchester)	Dorchester avenue (Dorchester)	Dorchester avenue (Dorchester)	Dorchester avenue (Dorchester)	Dorchester avenue (Dorchester)	Dorchester street (South Boston)	Doris street (Dorchester)	Dorset street (Dorchester)	Dracut street (Dorchester)	Dudley street (Dorchester)

List of Streets Paved with Granite Blocks Having a Maintenance Guaranty.—Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Dunstable street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	19	50	1919	June 12, 1925.
Dunstable street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	10	22	1920	June 12, 1925.
East Cottage street (Dorchester)	At Dorehester avenue. Laid by William J. Barry. (Recut.) Grout joints,	10	67	1919	Aug. 30, 1924.
East Fourth street (South Boston)	At Dorehester street. Laid by Samuel J. Tomasello. (Old.) Asphalt joints,	12	46	1921	Aug. 3, 1926.
East Fourth street (South Boston)	8 feet west of K street across P street. Laid by John E. Quinn. (Recut.) Grout joints.	159	3,436	1919-20	May 24, 1925.
Eastern avenue (city proper)	At Commercial street. Laid by D'Onfro Brothers. (Old.) Grout joints	6	62	1919	Aug. 13, 1924.
Echo street (Roxbury)	At Columbus avenue. Laid by John Kelly Company. (Recut.) Grout joints.	12	24	1921	Oct. 13, 1926.
Eden street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	34	85	1919	June 12, 1925.
Edison green (Porchester)	North road at Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints.	11	83	1919	Aug. 30, 1924.
Edison green (Dorchester)	South road at Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints.	6	20	1919	Aug. 30, 1924.
Edwin street (Dorchester)	At Dorchester avenue. Laid by Gore, Inc. (Recut.) Grout joints	. 12	65	1921	Nov. 24, 1926.
Elton street (Dorchester)	At Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints,	10	33	1919	Aug. 30, 1924.
Essex street (Charlestown)	At Hancock square. Laid by William J. Barry. (Recut.) Grout joints	12	50	1919	June 12, 1925.
Essex street (Charlestown)	Main street across Hancock square. Laid by William J. Barry. (Recut.) Grout joints.	134	220	1919	June 12, 1925.
Essex street (Charlestown)	At Rutherford avenue. Laid by Coleman Brothers. (Recut.) Grout joints,	10	40	1920	July 8, 1925.
Fargo street (South Boston)	12 fect east of B street to 130 feet west of C street. Laid by B. E. Grant Company. (Recut.) Grout joints.	340	1,142	1921	May 2, 1926.

Fargo street (South Boston)	130 feet west of C street to C street. Laid by Bernard E. Grant Company. (Recut.) Gront joints.	130	636	1920	May 2, 1926.
Federal street (city proper)	S feet south of Franklin street to Dewey square to Purchase street. Laid by James Doberty. (Recut.) Grout joints.	1,654	5,372	1919	April 29, 1925.
Foster street (eity proper)	At Commercial street. Laid by Bernard E. Grant. (Old.) Grout joints	10	10	1918	Nov. 1, 1924.
Foundry street (South Boston)	Dorehester avenue to South side of West First street. Laid by John Kelly Company. (Old.) Grout joints.	135	1,408	1920	Dec. 24, 1925.
Franklin street (city proper)	West of Devonshire street to Pearl street, not including Devonshire street, Federal street and Congress street intersections. Laid by James Doherty. (Old.) Grout joints.	298	2,753	1920	Sept. 2, 1925.
Franklin street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	12	30	1919	June 12, 1925
Freeport street (Dorchester)	At Dorchester avenue. Laid by James Doherty. (Recut.) Grout joints	51	280	1918	Dec. 1, 1923.
Friend street (city proper)	Union street to Hanover street. Laid by B. E. Grant Company. (Old.) Grout joints.	371	1,048	1920	April 27, 1926.
Friend street (eity proper)	48 feet north of Washington street to south side of Sudbury street. Laid by B. E. Grant Company. (Old.) Grout joints.	285	570	1920	April 27, 1926.
Friend street (city proper)	5 feet north of Sudbury street to 21 feet south of Merrimae street. Laid by B. E. Grant Company. (Old.) Grout joints.	144	434	1920	April 27, 1926.
Friend street (city proper)	21 feet south of Merrimae street to Causeway street. Laid by B. E. Grant Company. (Old.) Grout joints.	981	2,858	1921	April 27, 1926.
Frothingham avenue (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	6	20	1919	June 12, 1925.
Frothingham avenue (Charlestown)	At Rutherford avenue. Laid by Coleman Brothers. (Recut.) Grout joints.	10	25	1920	July 8, 1925.
Fulton street (city proper)	39 feet south of Riehmond street to 27 feet north of Riehmond street. Laid by B. E. Grant Company. (Old.) Grout joints.	94	356	1921	July 8, 1926.
Garden street (city proper)	At Cambridge street. Laid by Central Construction Company. (Recut.) Grout joints.	×	53	1919	Aug. 16, 1924.
Genesee street (city proper)	 feet west of Albany street to Albany street. Laid by James Doherty. (New.) Grout joints. 	15	98	1920	May 9, 1926.
Geneva avenue (Dorchester)	At Dorehester avenue. Laid by Gore, Inc. Asphalt joints. (New.)	10	22	1921	Nov. 24, 1926.

List of Streets Paved with Granite Blocks Having a Maintenance Guaranty.—Continued.

STREETS.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Gibson street (Dorchester)	At Dorehester avenue. Laid by Gore, Inc. (Recut.) Grout joints	6	50	1921	Nov. 24, 1926.
Grafton street (Dorehester)	At Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints.	10	33	1919	Aug. 30, 1924.
Green street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	12	-10	1919	June 12, 1925.
Grove street (city proper)	At Cambridge street. Laid by Central Construction Company. (Recut.) Grout joints.	∞	25	1919	Aug. 16, 1924.
Hanover street (city proper)	Elm street to Washington street. Laid by B. E. Grant Company. (Old.) Grout joints.	180	835	1921	June 28, 1926.
Hanover street (city proper)	Washington street to 5 feet east of Friend street. Laid by Bernard E. Grant. (New.) Grout joints.	45	264	1917	Sept. 24, 1922.
Hanover street (city proper)	Each side of Blackstone street. Laid by Coleman Brothers. (Old.) Grout joints.	09	306	1920	Sept. 9, 1925.
Hanover street (city proper)	Each side Commercial street. Laid by Bernard E. Grant. (Old.) Grout joints.	21	100	1919	Nov. 1, 1924.
Harbor View street (Dorchester)	At Dorehester avenue. Laid by William J. Barry. (Recut.) Grout joints.	10	40	1919	Aug. 30, 1924.
Harrison avenue (city proper)	22 feet north of Harvard street to bridge over Boston & Albany Railroad. Laid by Coleman Brothers. (New.) Grout joints.	1,180	4,172	1918	June 19, 1923.
Harrison avenue (city proper)	Bridge over New York, New Haven & Hartford Railroad across Asylum street. Laid by Bernard E. Grant. (New.) Grout joints.	367	1,362	1917	Dec. 17, 1922.
Harrison avenue (city proper)	Asylum street aeross Davis street. (At street car tracks.) Laid by Bernard E. Grant. (Recut.) Grout joints.		295	1917	Dec. 17, 1922.
Harrison avenuc (city proper)	Davis street to 2 feet north of Decatur street. Laid by Bernard E. Grant. (New.) Grout joints.	256	096	1917	Dec. 17, 1922.

Dec. 17, 1922.	Dec. 17, 1922.	June 12, 1925.	Aug. 30, 1924.	Dec. 13, 1924.	Sept. 6, 1923.	Sept. 15, 1922.	Oct. 13, 1926.	Nov. 1, 1924.	June 12, 1925.	June 12, 1925.	Aug. 30, 1924.	Aug. 30, 1924.	Nov. 1, 1924.	April 5, 1926.	June 19, 1922.	Jan. 17, 1924.	Aug. 16, 1924.
7161	1917	1919	1919	1919	1918	1917	1921	1918	1919	1919	1919	1919	1918	1920	1917	1918	1919
707	209	17	55	556	1 06	6,708	. 57	20	45	06	33	30	20	53	4,430	520	25
	165	ø	13	122	7	96†	11	10	17	30	11	10	x	6	381	136	x
2 feet north of Decatur street across Gloucester place. (At street car tracks.) Laid by Bernard E. Grant. (Recut.) Grout joints.	Gloucester place to 5 feet north of Dover street. Laid by Bernard E. Grant, (New.) Grout joints.	At Deveus street. Laid by William J. Barry. (Recut.) Grout joints	At Dorchester avenue. Laid by William J. Barry. (Recut.) Grout. joints.	122 feet south of Bennington street to Bennington street. Laid by McGuire & McGourty. (Recut.) Grout joints.	Sudbury street to Chardon street. Laid by Simpsou Brothers Corporation. (Old.) Grout joints.	Laid by Bernard E. Grant. (New.) Grout joints	At Columbus avenue. Laid by John Kelly Company. (Recut.) Grout joints.	At Commercial street. Laid by Bernard E. Grant. (Old.) Grout joints	East side of Main street. Laid by William J. Barry. (Recut.) Grout joints.	Each side of Federal street. Laid by James Doherty. (Recut.) Grout joints,	At Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints	At Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints	At Commercial street. Laid by Bernard E. Grant. (New.) Grout joints	At Dudley street. Laid by DeStefano Brothers. (Old.) Grout joints	State street to 9 feet east of Milk street. Laid by Bernard E. Grant. (New.) Grout joints.	. Angle near Export street to Atlantic avenue. Laid by Rossetti & Co. (Old.) Grout joints.	. At Cambridge street. Laid by Central Construction Company. (Recut.) Grout joints.
Harrison avenue (eity proper)	Harrison avenue (city proper)	Harvard street (Charlestown)	Harvest street (Dorchester)	Havre street (East Boston)	Hawkins street (city proper)	Haymarket square (city proper)	Heath street (Roxbury)	Henchman street (eity proper)	Henley street (Charlestown)	High street (city proper)	Howell street (Dorchester)	Howes street (Dorchester)	Hull street (eity proper)	Humphreys street (Dorchester)	India street (city proper)	India street (city proper)	Irving street (city proper)

List of Streets Paved with Granite Blocks Having a Maintenance Guaranty.-- Continued.

Streets.	Lámits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Kittredge street (West Roxbury)	At Washington street. Laid by Gore, Inc. New asphalt joints	o	35	1921	Dec. 12, 1926.
Lake street (Brighton)	At Washington street. Laid by Warren Brothers Company. (Recut.) Grout joints.	11	48	1919	July 8, 1925.
Lamartine street (Roxbury)	Centre street to 63 feet south of Centre street. Laid by B. E. Grant Company. (Recut.) Grout joints.	63	230	1921	Unfinished.
Lehigh street (city proper)	At Albany street. Laid by James Doherty. (Old.) Grout joints	21	96	1920	May 9, 1926.
Lincoln street (eity proper)	Essex street to Beach street. Laid by Bernard E. Grant. (New.) Grout joints.	505	2,442	1917	July 29, 1922.
Lincoln street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	10	32	1919	June 12, 1925.
Lincoln street (Charlestown)	At Rutherford avenue. Laid by Coleman Brothers. (Recut.) Grout joints	10	38	1920	July 8, 1925.
Linden Park street (Roxbury)	At Tremont street. Laid by Bernard E. Grant. (Recut.) Grout joints	00	25	1919	Dec. 12, 1924.
Linwood place (Charlestown	At Main street. Laid by William J. Barry. (Recut.) Grout joints	11	23	1919	June 12, 1925.
Locust street (Dorchester)	At Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints	10	33	1919	Aug. 30, 1924.
London street (East Boston)	118 feet south of Bennington street to Bennington street. Laid by McGuire & McGourty. (Recut.) Grout joints.	118	552	1919	Dec. 13, 1924.
Lonsdale street (Dorchester)	At Dorchester avenue. Laid by Gore, Inc. (Recut.) Grout joints	13	56	1921	Nov. 24, 1926.
M street (South Boston	At East Fourth street. Laid by John E. Quinn. (Recut.) Grout joints	6	38	1920	May 24, 1925.
Main street (Charlestown)	City square, across Hancock square. Laid by William J. Barry. (Recut.) Grout joints.	3,121	17,241	1919	June 12, 1925.
Main street (Charlestown)	Hancock square to 104 feet north of Alford street. Laid by William J. Barry. (Recut.) Grout joints.	2,688	17,329	1919	June 12, 1925.

Marion street (East Boston)	Marion street (East Boston) Bach side of Bennington street. Laid by McGuire & McGourty. (Recut.)	17	11	1919	Dec. 13, 1924.
Market street (city proper)	Friend street to Canal street. Laid by B. E. Grant Company. (Old.) Grout joints.	168	488	1921	April 27, 1926.
Market street (city proper)	Portland street to Merrimae street. Laid by B. E. Grant Company. (Old.) Grout joints.	83	258	1921	June 28, 1926.
Mather street (Dorchester)	At Dorchester avenue. Laid by Gore, Inc. Asphalt joints. (New.)	6	29	1921	Nov. 24, 1926.
Matthews street (city proper)	At Federal street. Laid by James Doherty. (Recut.) Grout joints	10	20	1919	April 29, 1925.
Mayfield strect (Dorehester)	At Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints	10	35	1919	Aug. 30, 1924.
Mend street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	5	20	1919	June 12, 1925.
Medford street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	21	06	1920	June 12, 1925.
Melville avenue (Dorchester)	At Dorchester avenue. Laid by Gore. Inc. Asphalt joints. (New.)	13	51	1921	Nov. 24, 1926.
Mercantile street (city proper)	South Market street to Clinton street. Laid by Coleman Brothers (New.) Grout joints.	185	620	1918	June 29, 1923.
Mercantile street (city proper)	Clinton street to Richmond street. Laid by Coleman Brothers. (New.) Grout joints.	360	1,971	1918	June 29, 1923.
Merrimac street (city proper)	Haymarket square to Portland street. Laid by B. E. Grant Company. (Old.) Grout joints.	578	2,210	1921	June 28, 1926.
Merrimac street (city proper)	Portland street to 68 feet west of Portland street. Laid by B. E. Grant Company. (Old.) Grout joints.	89	310	1921	June 28, 1926.
Metropolitan avenue (West Roxbury) .	At Washington street. Laid by Gore, Inc. Asphalt joints. (New.)	x	32	1921	Dec. 12, 1926.
Middlessex street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	12	30	1919	June 12, 1925.
Mill street (Charlestown)	At Rutherford avenue. Laid by Coleman Brothers. (Recut.) Grout joints	11	30	1920	July 8, 1925.
Miller street (Charlestown)	At Main street. Laid by William J. Barry. (New.) Grout Joints	10	20	1919	June 12, 1925.
Miller street (Charlestown)	At Rutherford avenue. Laid by Coleman Brothers. (Recut.) Grout joints	6	21	1920	July 8, 1925.
Mishawum street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	6	35	1919	June 12, 1925.

List of Streets Paved with Granite Blocks Having a Maintenance Guaranty.- Continued.

NTREET'S.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Mishawum street (Charlestown)	At Rutherford avenue. Laid by Coleman Brothers. (Recut.) Grout joints.	10	30	1920	July 8, 1925.
Monadnoek street (Dorchester)	At Dudley street. Laid by DeStefano Brothers. (Old.) Grout joints	10	42	1920	April 5, 1926.
Monument avenue (Charlestown	At Main street. Laid by William J. Barry. (Recut.) Grout joints	10	31	1919	June 12, 1925.
Motley street (Roxbury)	At Tremont street. Laid by Bernard E. Grant. (Recut.) Grout joints	13	91	1919	Dec. 12, 1924.
Mt. Vernon street (eity proper)	10 feet east of Charles street to Charles street. Laid by B. B. Grant Company. Asphalt joints. (New.)	10	35	1921	Nov. 19, 1926.
Mt. Vernon street (Dorchester)	Each side Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints.	81	20	1919	Aug. 30, 1924.
N street (South Boston)	9 feet north of East Fourth street to East Fourth street. Laid by John E. Quinn. (Recut.) Grout joints.	6	36	1919	May 24, 1925.
Neponset avenue (Dorchester)	South side Holbrook street to tangent north side Chiekatawbut street. (East side and tracks.) Laid by John F. Lynch. (Old.) Gravel base, grout joints.	345	1,147	1917	April 26, 1923.
Neponset avenue (Dorchester)	Tangent north side Chickatawl ut street to 25 feet south of Ashmont street. 1,336 Laid by John F. Lynch. (Old.) Gravel base, grout joints.	1,336	8,623	1917-18	April 26, 1923.
Newbury street (Roxbury)	300 feet cast of Massachusetts avenue to Massachusetts avenue. Laid by James Doherty. (New.) Grout joints.	300	1,210	1919	Dec. 18, 1924.
New Heath street (Roxbury)	13 feet cast of Columbus avenue to Columbus avenue. Laid by John Kelly Company. (Old.) Grout joints.	13	24	1921	Oct. 13, 1926.
New Heath street (Roxbury)	Columbus avenue to 13 feet west of Columbus avenue. Laid by John Kelly Company. (Old.) Grout joints.	13	54	1921	Oet. 13, 1926.
North street (eity proper)	Each side of Blackstone street. Laid by Coleman Brothers. (Old.) Grout joirts.	7 61	101	1920	Sept. 9, 1925.

North street (eity proper)	28 feet south of Riehmond street to 37 feet north of Riehmond street. Laid by B. E. Grant Company. (Old.) Grout joints.	93	362	1921	1921 July 8, 1926.
North street (city proper)	At Commercial street. Laid by D'Onfro Brothers. (Old.) Grout joints	10	40	1919	Aug. 13, 1924.
North Anderson street (city proper)	At Cambridge street. Laid by Central Construction Company. (Recut.) Grout joints.	10	وا «	1919	Aug. 16, 1924.
Northern avenue (city proper)	Atlantic avenue to bridge. Laid by Bernard E. Grant. (Old.) Grout joints.	166	1,186	1919	Oct. 3, 1924.
Oak street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	13	57	1919	June 12, 1925.
Oliver street (city proper)	At Atlantic avenue. Laid by Bernard E. Grant. (Old.) Grout joints	85	126	1919	Oct. 3, 1924.
Oncida street (city proper)	13 feet west of Albany street to Albany street. Laid by James Doherty. (New.) Grout joints.	13	67	1920	May 9, 1926.
Oswego street (city proper)	13 feet west of Albany street to Albany street. Laid by James Doherty. (New.) Grout joints.	13	0:	1920	May 9, 1926.
Overland street (Roxbury)	Brookline avenue to Boston & All any Railroad. Laid by Jan:es F. Coughlan Company. (Now.) Grout joints.	399	1,687	1917-18	Aug. 1, 1923.
P street (South Boston)	45 feet north of East Fourth street to East Fourth street. Laid by John E. Quinn. (Reeut.) Grout joints.	45	132	1920	May 24, 1925.
1's street (South Boston)	East Fourth street to 27 feet south of East Fourth street. Laid by John E. Quinn. (Recut.) Grout joints.	27	109	1920	May 24, 1925.
Paris street (East Boston)	At Bennington street. Laid by McGuire & McGourty. (Recut.) Grout joints.	121	548	1919	Dec. 13, 1924.
Park street (eity proper)	Beacon street to 152 feet south of Reacon street. Laid by Warren Brothers Company. (New.) Grout joints.	152	728	1918	July 14, 1923.
Park street (city proper)	39 feet north of Tremont street to 7 feet north of Tremont street. Laid by Warren Brothers Company. (New.) Grout joints.	32	137	1918	July 14, 1923.
Park street (Dorchester)	Each side of Dorchester avenue. Laid by Jan es Dol etty. (New.) Grout joints.	20	251	1918	Pee. 1, 1923.
Parker street (Roxbury)	At Centre street. Laid by B. E. Grant Company. (Recut.) Grout joints	10	++	1921	Unfinished.

List of Streets Paved with Granite Blocks Having a Maintenance Guaranty.--Continued.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.	ty.
Parkman street (Dorchester)	At Dorchester avenue. Laid by Gore, Inc. (New.) Asphalt joints	6	06	1921	Nov. 24, 1926.	1926.
Pearl street (city proper)	At Atlantic avenue. Laid by Bernard E. Grant. (Old.) Grout joints	55	26	1919	Oct. 3, 1924.	1924.
Phipps street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	11	12	1919	June 12, 1925.	1925.
Pinckney street (city proper)	10 feet east of Charles street to Charles street. Laid by B. E. Grant Company. (New.) Asphalt joints.	10	56	1921	Nov. 19, 1926.	1926.
Pleasant street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	13	31	1919	June 12, 1925.	1925.
Poplar street (West Roxbury)	67 feet north of Washington street to Washington street. Laid by William J. Barry. (New.) Grout joints.	29	310	1920	Dec. 24, 1925.	1925.
Poplar street (West Roxbury)	Washington street to 6 feet south of Washington street. Laid by William J. Barry. (New.) Grout joints.	61	230	1920	Dec. 24, 1925.	1925.
Porter street (East Boston)	Each side of Bremen street. Laid by Coleman Brothers, Inc. (Old.) Gravel base, grout joints.	14	56	1921	July 5,	5, 1926.
Porter street (East Boston)	At Bennington street. Laid by McGuire & McGourty. (Recut.) Grout joints.	12	8#	1919	Dec. 13, 1924.	1924.
Portland street (city proper)	At Hanover street to Causeway street. Laid by B. E. Grant Company. 1,693 (Old.) Grout joints.	1,693	6,453	1921	June 28, 1926.	1926.
Power street (South Boston)	At Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints	11	33	1919	Aug. 30, 1924.	1924.
Prentiss street (Roxbury)	At Tremont street. Laid by Bernard E. Grant. (Recut.) Grout joints	12	37	1919	Dec. 12, 1924.	1924.
Prescott street (East Boston)	Bennington street to 8 feet north of Bennington street. Laid by McGuire & McGourty. (Recut.) Grout joints.	∞	32	1919	Dec. 13, 1924.	1924.
Prescott street (Charlestown)	At Devens street. Laid by William J. Barry. (Recut.) Grout joints	4	00	1919	June 12, 1925.	1925.
Prince street (city proper)	. At Commercial street. Laid by Bernard E. Grant. (Old.) Grout joints	10	25	1919	Nov. 1, 1924.	1924.

Public Alley No. 101 (city proper)	Public Alley No. 101 (city proper) At Richmondstreet. Laid by B.E.Grant Company. (Old.) Grout joints.	%	18	1921	1921 July 8, 1926.
Public Alley No. 710 (eity proper)	East Brookline street to West Newton street. Laid by John Landis. (Recut.) Groutjoints.	364	999	1920	Nav. 16, 1925.
Public Alley No. 818 (eity proper)	St. Stephen street to Public Alley No. 819. Laid by John Landis. (Recut.) Grout joints.	893	290	1920	Nov. 20, 1925.
Public Alley No. 909 (Roxbury)	Massachusetts avenue to Hemenway street. Laid by DeStefano Brothers. (Recut.) Grout joints.	430	386	1921	May 7, 1926.
Putnam street (East Boston)	Each side of Bennington street. Laid by McGuire & McGourty. (Recut.) Grout joints.	18	20	1919	Dec. 13, 1924.
Rawson street (South Boston)	At Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints.	11	33	1919	Aug. 30, 1924.
Revere street (city proper)	10 feet cust of Charles street to Charles street. Laid by B. E. Grant Company. (New.) Asphalt joints.	10	24	1921	Nov. 19, 1926.
Richmond street (city proper)	Atlantic avenue to Commercial street. Laid by B. E. Grant Company. (Old.) Grout joints.	418	1,585	1921	July 8, 1926.
Richmond street (city proper)	Commercial street to North street. Laid by B. E. Grant Company. (Old.) Grout joints.	514	1,506	1921	July 8, 1926.
Richmond street (eity proper)	North street to 9 feet south of Hanoverstreet. Laid by B. E. Grant Company. (Old.) Grout joints.	217	621	1921	July 8, 1926.
Ritchic street (Roxbury)	32 feet east of Centre street to Centre street. Laid by B. E. Grant Company. (Recut.) Gront joints.	32	205	1921	Unfinished.
Rochester street (city proper)	At Albany street. Laid by James Doherty. (New.) Grout joints	14	33	1920	May 9, 1926.
Romsey street (Dorchester)	At Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints	10	33	1919	Ang. 30, 1924.
Roseclair street (Dorchester)	At Dorchester avenue. Laid by William J. Barry. (Reeut.) Grout joints.	:	51	1919	Aug. 30, 1924.
Roseeliff street (West Roxbury)	At Washington street. Laid by Gore, Incorporated. (New.) Asphalt joints.	œ	25	1921	Dec. 12, 1926.
Roxbury street (Roxbury)	At Columbus avenue. Laid by John Kelly Company. (Old.) Grout joints.	6	89	1921	Oct. 13, 1926.
Ruggles street (Roxbury)	20 feet north of Tremont street to Tremont street. Laid by Bernard E. Grant. (Recut.) Grout joints.	30	2.2	1919	Dec. 12, 1924.

List of Streets Paved with Granite Blocks Having a Maintenance Guaranty.—Continued.

STREETS.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.	_{> .}
Rutherford avenue (Charlestown)	6 feet south of Chapman street to Cambridge street. Laid by Coleman Brothers. (Recut.) Grout joints.	3,806	16,653	1920	July 8, 1	8, 1925.
St. Ceedia street (Rosbury)	At Boylston street. Laid by James Barry. (Recut.) Grout joints	15	#	1919	Aug. 30, 1924.	924.
Salem street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	10	85	1919	June 12, 1925.	925.
Salutation street (eity proper)	At Commercial street. Laid by D'Onfro Brothers. (New.) Grout joints	9	ī	1919	Aug. 13, 1924.	924.
Sarsfield street (Roxbury)	At Tremont street. Laid by Bernard E. Grant. (Recut) Grout joints	12	12	1919	Dec. 12, 1924.	924.
Savin Hill avenue (Dorchester)	Each side Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints.	18	118	1919	Aug. 30, 1924.	924.
School street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	11	25	1919	June 12, 1925.	925.
Seneea street (city proper)	At Albany street. Laid by James Doherty. (Old.) Grout joints	13	£2	1921	May 9, 1	9, 1926.
Shepton street (Dorchester)	At Dorchesteravenue. Laid by Gore, Incorporated. (Recut.) Grout joints.	6	58	1921	Nov. 24, 1926.	926.
Shirley street (Roxbury)	Massachusetts avenue to 473 feet north of Norfolk avenue. Laid by Gore, Incorporated. (Old.) Grout joints.	403	2,179	1919	July 2, 1	2, 1924.
Somerset street (city proper)	Bencon street to 18 feet north of Ashburton place. Laid by Warren Brothers Company. (New.) Grout joints.	335	716	1918	July 10, 1923.	923.
South street (West Roxbury)	125 feet east of Washington street to Washington street. (New). Laid by William J. Barry. (Recut.) Grout joints	125	331)	1920	Dec. 24, 1925.	925.
South street (West Roxbury)	Washington street to 67 feet north of Washington street. Laid by William J. Barry. (New.) Grout joints.	29	354	1920	Dec. 24, 1925.	925.
South Eden street (Charlestown)	At Mainstreet. Laid by William J. Barry. (Recut.) Groutjoints	15	50	1919	June 12, 1925.	925.
South Eden street (Charlestown)	At Rutherford avenue. Laid by Coleman Brothers. (Recut.) Grout joints.	10	35	1920	July 8, 1	8, 1925.
South Market street (city proper)	South Market street (city proper) At Atlanticavenue. Laid by D'Onfro Brothers. (New.) Grout joints	43	190	1918	Jan. 17, 1924.	924.

South Russell street (city proper)	South Russell street (city proper) At Cambridge street. Laid by Central Construction Company. (Recut.) Grout joints.	œ	16	1919	Aug. 16, 1924.
Southampton street (South Boston)	Dorchester avenue to 109 feet west of Dorchester avenue. Laid by Central Construction Company. (Recut.) Grout joints.	109	1,350	1918	Sept. 5, 1922.
Stacey street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	13	20	1919	June 12, 1925.
Stanhope street (city proper)	Berkeley street to 188 feet east of Charendon street. Laid by Gore, Incorporated. (Old.) Gravel base, grout joints.	420	1,195	1921	Aug. 6, 1926.
Stanhope street (city proper)	ISS feetcast of Clarendon street to Clarendon street. Laid by Gore, Incorporated. (New.) Grout joints.	188	420	1921	Aug. 6, 1926.
Stanhope street (eity proper)	Clarendon street to Trinity place. Laid by Gore, Incorporated. (New.) Grout joints.	267	596	1921	Aug. 6, 1926.
State street (eity proper)	S feet west of Merchants row to 6 feet west of India street. Laid by John E. Quinn. (Old.) Grout joints.	376	1,332	1918	Oct. 1, 1923.
State street (city proper)	6 feet west of India street to 6 feet east of India street. Laid by Bernard E. Grant. (New.) Grout joints.	266	1,247	1917	June 19, 1922.
State street (eity proper)	6 feet east of India street to Atlantic avenue. Laid by John E. Quinn. (New.) Grout joints.	609	4,317	1918	Oet. 1, 1923.
Station street (Roxbury)	At Columbus avenue. Laid by Bernard E. Grant. (Recut.) Grout joints.	11	34	1919	Dec. 12, 1924.
Sudan street (Dorehester)	At Dorehester avenue. Laid by William J. Barry. (Recut.) Grout joints	10	31	1919	Aug. 30, 1924.
Sudbury square (city proper)	At Sudbury street. Laid by Simpson Brothers Corporation. (New.) Grout joints.	21	92	1918	Sept. 6, 1923.
Sudbury street (city proper)	Court street to Haymark ct square. Laid by Simpson Brothers Corporation. (New.) Grout joints.	933	3,435	1918	Sept. 6, 1923.
Sullivan street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	13	37	1919	June 12, 1925.
Summer street (city proper)	West side of South street to harbor line, Fort Point channel. Laid by Henry 1,362 J. Clark. (New.) Grout joints.	1,362	10,129	1917	July 16, 1922.
Summer street (South Boston)	Harbor line to west side of A street. Laid by John McCourt Company. (Old.) Grout joints.	655	5,531	1919	Sept. 17, 1924

List of Streets Paved with Granite Blocks Having a Maintenance Guaranty,—Continued.

The second secon					
Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Taft street (Dorchester)	At Dorchester avenue. Laid by William J. Barry. (Reeut.) Grout joints,	10	30	1919	Aug. 30, 1924.
Talbot avenue (Dorchester)	At Dorehester avenue. Laid by Gore, Inc. Asphalt joints. (New.)	:	240	1921	Nov. 24, 1926.
Templeton street (Dorehester)	At Dorchester avenue. Laid by Gore, Inc. (Reeut.) Grout joints	11	61	1921	Nov. 24, 1926.
Terry street (Roxbury)	At Tremont street. Laid by Bernard E. Grant. (Recut.) Grout joints.	12	33	1919	Dec. 12, 1924.
Texas street (Roxbury)	At Tremont street. Laid by Bernard E. Grant. (Recut.) Grout joints	13	21	1919	Dec. 12, 1924,
Thompson street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	11	22	1919	June 12, 1925.
Thornley street (Dorehester)	At Dorchester avenue. Laid by William J. Barry. (Recut.) Grout joints.	10	33	1919	Aug. 30, 1924.
Tibbetts Town way	At Rutherford avenue. Laid by Coleman Brothers. (Recut.) Grout joints,	10	20	1920	July 8, 1925.
Traverse street (city proper)	9 feet north of Merrimae street to 11 feet south of Portland street. Laid by B. E. Grant Company. (Old.) Grout joints (old base).	48	138	1921	June 28, 1926.
Traverse street (eity proper)	11 feet south of Portland street to Portland street. Laid by B. E. Grant Company. (Old.) Grout joints.	11	34	1921	June 28, 1926.
Traverse street (eity proper)	Portland street to 9 feet north of Portland street. Laid by B. E. Grant Company. (Old.) Grout joints.	6	27	1921	June 28, 1926.
Traverse street (city proper)	9 feet north of Portland street to 8 feet south of Friend street. Laid by B. E. Grant Company. (Old.) Grout joints. (Old Base.)	140	404	1921	June 28, 1926.
Traverse street (eity proper)	8 feet south of Friend street to Friend street. Laid by B. E. Grant Company. (Old.) Grout joints.	∞	24	1921	April 27, 1926.
Traverse street (city proper)	Friend street to 8 feet north of Friend street. Laid by B. E. Grant Company. (Old.) Grout joints.	∞	24	1921	April 27, 1926.
Traverse street (eity proper)	S feet north of Friend street to 11 feet south of Canal street. Laid by B. E. Grant Company. (Old.) Grout joints. (Old base.)	149	430	1921	April 27, 1926.

Traverse street (city proper)	11 feet south of Canal street to Canal street. Laid by B. E. Grant Company. (New.) Grout joints.	11	35	1917	July	9, 1922.
Tremont street (eity proper)	21 feet south of north side of Common street to 3 feet north of Broadway. Laid by James Doherty. (New.) Grout joints.	404	1,818	1919	July 1	July 15, 1924.
Tremont street (city proper)	2 feet south of Broadway to east side bridge, Boston & Albany Railroad. Laid by James Doberty. (New.) Grout joints.	738	3,401	1919	July	July 15, 1924.
Tremont street (city proper)	2 feet north of Dover street to 9 feet south of north side of Northampton street (including tracks). Laid by B. E. Grant Company. (Recut.) Grout joints.	27	7,337	1920	Sept.]	Sept. 18, 1925.
Tremont street (Roxbury)	Hammond street, across Vernon street. Laid by Bernard E. Grant. (Reeut.) Grout joints.	2,182	14,275	1919	Dec.]	Dec. 12, 1924.
Tremont street (Roxbury)	Vernon street to 177 feet west of Texas street. Laid by Bernard E. Grant. (Recut.) Grout joints.	1,353	8,490	1919	Dec.	12, 1924.
Tremont street (Roxbury)	177 feet west of Texas street to 127 feet cast of Texas street. Laid by John Kelly Company. (Recut and old.) Grout joints.	266	1,713	1921	Oet.	13, 1926.
Tremont street (Roxbury)	177 feet west of Texas street to 127 feet east of Texas street. Laid by John Kelly Company. (Old.) Grout joints.	:	250	1921	Oet.	Oet. 13, 1926.
Troy street (eity proper)	At Albany street. Laid by James Doherty. (Old.) Grout joints	13	53	1920	May	9, 1926.
Union street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	11	36	1919	June	June 12, 1925.
Virginia street (Dorchester)	At Dudley street. Laid by DeStefano Brothers. (Old.) Grout joints	10	29	1920	April	April 5, 1926.
Walker street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	12	30	1919	June	June 12, 1925.
Walpole street (Roxbury)	At Tremont street. Laid by Bernard E. Grant. (Recut.) Grout joints	12	333	1919	Dec.	Dec. 12, 1924.
Warren street (Charlestown)	At Thompson square. Laid by William J. Barry. (Recut.) Grout joints.	18	09	1919	June	June 12, 1925.
Warrenton street (city proper)	10 feet north of Tremont street to Tremont street. Laid by James Doherty. (Recut.) Grout joints.	10	55	1919	July	July 15, 1924.
Washburn street (South Boston)	At Dorehester avenue. Laid by William J. Barry. (Recut.) Grout joints.	11	33	1919	Aug.	30, 1924.
Washington street (Brighton)	22 feet cast of Oakland street to 20 feet west of Lake street (south side), Laid by Warren Brothers. (Recut.) Grout joints.		1,682	1919	July	8, 1925.

List of Streets Paved with Granite Blocks Having a Maintenance Guaranty.—Concluded.

Ѕткветв.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Washington Street North (city proper),	South abutment bridge over Charles River to Causeway street. Laid by Bernard E. Grant. (Old.) Grout joints.	182	1,870	1919	Nov. 1, 1924.
Washington Street North (city proper),	Causeway street to 10 feet north of Causeway street. Laid by Bernard E. Grant. (Old.) Grout joints.	64	069	1919	Nov. 1, 1924.
Washington street (city proper)	Haymarket square to 24 feet south of Elm street. Laid by Bernard E. Grant. (New.) Grout joints.	92	3,645	1917	Sept. 24, 1922.
Washington street (West Roxbury)	69 feet west of Corinth street to Denton terrace. Laid by Gore, Inc. Asphalt joints. (New.)	2,151	10,500	1921	Dec. 12, 1926.
Washington street (West Roxbury)	East side Archdale road to 69 feet west of Corinth street. Laid by New 3. William J. Barry. Grout joints.	3,387	$10,900 \ 5,659$	1920	Dec. 24, 1925.
Washington street (West Roxbury)	142 feet south of Walk Hill street to east side of Archdale road. (Laid by Simpson Brothers Corporation. (New.) Grout joints.	2,765	14,512	1918-19	May 22, 1924.
Welles avenue (Dorchester)	At Dorchester avenue. Laid by Gore, Inc. (New.) Asphalt joints	6	09	1921	Nov. 24, 1926.
West Cedar street (city proper)	At Cambridge street. Laid by Central Construction Company. (Recut.) Grout joints.	6	93	1919	Aug. 16, 1924.
West Fourth street (South Boston)	Dorchester avenue to 111 feet east of Dorchester avenue. Laid by Central Construction Company. (Recut.) Grout joints.	111	432	1918	Nov. 9, 1924.
West Fourth street (South Boston)	 feet west of Dorchester avenue to Dorchester avenue. Laid by Samuel J. Tomasello. Asphalt joints. (New.) 	10	40	1921	Aug. 3, 1926.
Weston street (Roxbury)	At Tremont street. Laid by Bernard E. Grant. (Recut.) Grout joints	12	29	1919	Dec. 12, 1924.
Winthrop street (Charlestown)	At Main street. Laid by William J. Barry. (Recut.) Grout joints	10	22	1919	June 12, 1925.
Wise street (Roxbury)	At Centre street. Laid by B. E. Grant Company. (Recut.) Grout joints,	10	30	1921	Unfinished.

22 1919 June 12, 1925.) 1921 Nov. 24, 1926.		₂		91	4	200	61
	20		176,573	22,711	196,866	166,814	285	563,24
10	11		34,353	2,406	40,084	33,101	118	110,062
Wood street (Charlestown) At Main street. Laid by William J. Barry. (Recut.) Grout joints	Wrentham street (Dorchester) At Dorchester avenue. Laid by Gore, Inc. (Recut.) Grout joints	SUMMARY.	New blocks. Grout joints	New blocks. Asphalt mastic joints	Recut blocks. Grout joints40,084	Old blocks. Grout joints	Old blocks. Asphalt mastic joints	Total granite block pavements having a maintenance guaranty 110,062 563,249
Wood street (Charlestown)	Wrentham street (Dorchester)							

Table Showing the Unit Cost of Bituminous Pavement Repairs per Square Yard OF STREET SURFACE FROM 1912 TO 1921, INCLUSIVE.

 $\label{eq:Sheet Asphalt.} Surface and 11^2-Inch \ Binder \ on \ a \ Cement \ Concrete \ Base.$

STREET.	Limits.	Year Laid	1912.	1913.	1914.	1915.		1917.	1918.	1919.	1920.	1921.
Albany street	East Concord street to 225 feet north of Massachusetts avenue.	1884	\$0.235	\$0.150 \$0.174	\$0.174	\$0.311	\$0.059	·00				
Andrews street	East Dedham street to East Concord street.	1899	:	:	:	600.		:				\$0.202
Arch street	Milk street to Franklin street	1915	:	:	:	+-	:	\$0.004	\$0.023	:	80.081	.018
Arch street	Franklin street to Summer street	1915	:	:		+-		.026	.003	:	880.	.143
Arlington street	Boylston street to Beacon street	1901	.002	.014	.015	920.	800	990.	.014	\$0.021	.040	.016
Ash street	Bennet street to Nassau street	1905	:	:	:	*	:	.051	:	:	:	.039
Ash street	North side Nassau street to north side Oak street.	1909	:	:	*	:	:	.027	:	:	:	:
Auburn street	Leverett street to Poplar street	1161	:		:		*	.02.1	.003	:	.235	.007
Austin street	Seminary place to Lawrence street	1891	.109	.087	.164	.199	.372	.165	.913	:	920.	.78
Avon street	Washington street to Chauncy street	1901	.023	.146	.045	.139	.064	.588	.374	.040	.957	.011
Barton court	Barton street to Brighton street	1904	:	:	*	:	:	:	:	.565	.023	.194
Batterymarch street	Milk street to Liberty square	1896	.319	.043	290.	.167	.119	.132	.050	:	:	.043
Beacon street	Charles street to Arlington street	1901	:	:	:		:		.439	.266	.246	.228
Beacon street	Charles street to Brimmer street	1891		.053			:		:	:		:

.049	610.	:			.042	.213	.020	.162	.025	:	.016	.016	900.	.011	980.	:	.118	215.	
620.	.054	.805	1.647			:		161.	.010	:	.003		:	700.	.177	\$.102	:	261	
.136	.424	.163		+-	.037	.008		.116	.341	:	.112	.173	.012	:	.070	699	.072	208	
.045	.106	:	:	:	:		.075	:	. 192		191	-291	.133	.239	.019	.450	870	905	tulithie.
.048	*	060		:		.013	.292	:	202		.193	.020	:	:	.766	.428	:	.237	over Bi
.024	:	.479	:	:		:	.226	.337	*	:	.030	.051	200.	:	.033	‡1.30·1	660.	.157	§ Resurfaced over Bitulithic
.018	:	*		:	*	:	181				.054	.049	.056	:	.129	†1.326	:	396	\$ Re
*	:		.032	:	:	.082	*.189	.052	:	.064	.107	.042	.042	:	:	.508	.270	*	
-	:	:	.128	:	:	040	:	780.	:	:	81.0	.030	.030	:		.683	:	:	
:	:	:	*			610.	:	.117			.173	.107	900.	:	*	.731	38.	:	ved.
1909	1907	1905	1905	1919	1905	1895	1904	1888-95	1906	1897	1891	1892	1897	11011	1902	1909	1892	1901	† Repaved
Dartmouth street to Hereford street	Hereford street to Massachusetts avenue,	Ash street to Itarrison avenue	Boylston street to 155 south of Boylston street.	West side, Dewey street to north side Savin street.	C street to D street.	Hanson street to Mifford street	St. Cecilia street to Massachusetts avenue.	Brattle street to Elm street	Beacon street to Pinckney street	At Tufts street	Tremont street to Ruggles street	Ruggles street, easterly side, to Vernon street.	Easterly side Vernon street to Linden Park street.	Broad street to Kilby street	Green street, across Poplar street	Southerly side Fruit street to Allen street.	Shawmut avenue to Washington street,	131 feet south of Ferdinand street to B, & A, R, R.	* Guaranty expired.
Beacon street	Beacon street	Bennet street	Berkeley street	Blue Hill avenue	Bolton street	Bond street	Boylston street	Brattle square	Brimmer street	Bunker Hill street	Cabot street	Cabot street	Cabot street	Central street	Chambers street	Charles street	Cherry street	Columbus avenue	

Cost of Sheet Asphalt Repairs, 1912-21.—Continued.

Spreet.	Limits.	Year Laid.	1912.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.	1921.
Columbus avenue	B. & A. R. R. Bridge to northerly side Camden street.	1907						*.295	.258	.149	.326	. 223
Columbus avenue	Northerly side Camden street to 67 feet north of Station street.	1907						*.100	.143	.198	.168	.030
Congress square	Congress street, across Congress square,	1900	:	.051	.013	.711	:	:	:	:	:	.015
Cooper street	North Margin street to Endicott street,	1887	. 426	.457	.329	1.232	.592	.511	197	.086	.231	.500
Cooper street	Washington Street North to east side of Endicott street.	1908	:	:	:	:		:	*.001	.071	.175	.102
Corey street	124 feet north of Moulton street to Moulton street.	1897	:	. 194	.121	.220	:		1,158	:	:	.078
Corning street	Washington street to Shawmut avenue,	1908	:		:	:	:	:	*	.014	:	:
Court square	East—South—West	${1904-13 \atop 1914}$			*					*.039	1.025	.056
Court street	Washington street to Court square	1904	:	.027	*.233	. 299	.290	.278	.449	.247	+	:
D street	West Fifth street to Gold street	1889	.204	.211	.240	.770	.203		.028	.005	:	.055
Dartmouth street	Huntington avenue to Boylston street,	1901	s00·	:	.011	:	.276	:	.047	:	s00°.	:
Davis street	Washington street to Harrison avenue,	1892	.680	.106	.130	.211	.208	.225	.145	.239	.126	680.
Dearborn street	Albany street to 56 feet south of Albany street.	1918		:	:	:	:	:	:	.053		:
Devonshire street	Milk street to Water street	1903	660.	.459	.431	1.437	.291	.486	1.619	.616	ø	:
Devonshire street	Milk street to Franklin street	1905	:	:	:	*.426	.420	.507	.934	.101	w	
Dillon street	Lenox street to Sawyer street	1902	*	010	:	890.		:		.083	:	900.

Doane street	Broad street to Kilby street	1881	. 224	.058	.034	.046	-	990.	.129		.032	.147
Dorchester street	94 feet north of Vinton street to Vinton street.	1904	:	:		:	:		:		:	.439
E street	West Third street to Bolton street	1892	.075	.018	229	:	.389	:	:	.398	:	.195
E street	West Seventh street to West Eighth street.	1904	:	:	*.056		:	:		.611	:	.326
Edinboro street	Essex street to Beach street	1895	4.229	:		:		*			600.	.199
Endicott street	Cooper street, across Thacher street	1899	.163	.278	.087	.027	19.1	.174	.376	.355	.028	.300
Eustis street	138 feet east of Winslow street to 163 feet west of Albany street.	1906	:	:		:	*	:	:	252	:	:
Exchange place	Congress street to Kilby street	1903	:	*	.059	660	:	.027	.110	.108	:	.042
Hanover avenue	Hanover street to North street	1892	.209	.107	.012	.056	209	.093	:	:	:	
Hanover street, west side,	Tileston street, across Charter street	1907	:	:	:	:	:	*	1.358	.330	.025	.360
Harris street	Hanover street to North street	1904	:	:	*	:	.030	.021	:		:	620.
Harrison avenue	22 feet south of Kneehund street to 22 feet north of Harvard street.	1899	.189	.211	.320	021	.113	988.	.456	.247	.226	.267
Harrison avenue	Asylum street, across Davis street	1901	.327	.150	.305	988.	.253	:		.051	790.	151.
Harrison avenue	Northerly side of Decatur street to Gloucester place	1905	:	:	:	*.994		:	+	:	:	.063
Harrison avenue	Union Park street to Malden street	1903	:	*.193	000.	.657	.181	.275	990.	.200	.038	.051
Harrison avenue	Malden street to East Dedham street,	1909	:	:	*	292	.141	.168	.50s	.111	.031	.176
Harrison avenue	East Newton street to East Springfield street.	1895	.378	.081	.132	.714	. 169	.153	293	.025	.30s	.061
Harrison avenue	From East Springfield street to 97 feet southerly.	188 88 88	080	.216	.352	.336	.602	:	:	.025	S89.	.286
* Guaran	* Guaranty expired. † Repaved.		++	‡ Part repayed.	aved.		% R	esuri ree	8 Resurfaced over bitulithic	tulithie.		

Cost of Sheet Asphalt Repairs, 1912-21.—Continued.

Street.	Limits,	Year Laid.	1912.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.	1921.
Hawes street	Congress street to Kilby street	1904	:	:	*	\$0.050	80.08		\$0.162	\$0.019		\$0.213
Hayward place	Washington street to Harrison avenue,	1913	:	:	:	:	:	:	*,848	.015	:	:
Hollis street	Tremont street to Washington street	1891	\$0.072	\$0.080 \$0.055	\$0.055	:	.144	\$0.335	+-	600.	\$0.031	:
Hudson street	Beach street to Curve street	1891	.224	.188	.305	.218	.142	:	.017	.019	.043	.065
Huntington avenue	Boylston street, across Dartmouth street.	1901	.033	.007	.012	.027	.054		.129	.101	.030	910.
Huntington avenue	Bridge over Boston & Albany Railroad to 70 feet south of bridge.	1909			*	.050	:		.369		:	
Huntington avenue, west side.	685 feet north of West Newton street to 38 feet north of West Newton street.	1907		:	:			*	.487	.200	.022	.027
1 street	East Broadway to East Fourth street	1910	:	* .001	.003	:		:	:	:	:	600
India street	Milk street to India square	1917	:	:	:	:	:	+	:	610.	.022	.054
Joiner street	Park street to Chelsea street	1906	:		:	:	*.310	.661	.500	:	.229	.122
K street	East Fourth street to East Sixth street,	1906	:		:		*	:	:	.188	960.	074
Kent street	Roxbury street to Vernon street	1161	:	:	:	:	*	:	.152	:	:	.065
Kilby street	Milk street to Central street, including Liberty square.	1898	.028	.012	610.	. 558	.057	.134	.446	<i>∞</i>	:	:
Kilby street	Central street_to State street	1904	:	:	*.293	+-	:	.094	.368	÷	:	:
Kingston street	Beach street to Essex street	1910	:		:	*.316	.341	.400	.291	.050	.244	.047
Kirkland street	Pleasant street toward Corning street	1909	:	:	*	:	:		:	.018		:
Laconia street	Washington street to Harrison avenue	1917	.117	.048	.075	.059	.065	+	:	.021	.048	
La Grange street	Tremont street to Washington street	1897	.147	.333	.056	.502	.081	.613	:	.218	.039	1.100
Lincoln place	Woreester street to West Springfiled street.	1897		:	:		:	:	.957			:
Lovering street	Washington street to Harrison avenue,	1913			:		:	:	*	.153		.625

Lynn street	Cooper street to/Thacher street	1906			:			.140			071	.070
Maleolm street	54 feet south of Mt. Vernon street to Chestnut street.	1892		999.		:	980.	:	:	1.039	:	.399
Malden street	Wasnington street to Harrison avenue,	1903	*.004	.034	.026	:	.079	.137	.082	.028	620.	:
Mason street	449 feet south of West street to 545 feet south of West street.	1909	.193	.190	.032	.527	.014	:	:	:	:	:
Mason street	West street to Tremont street	:	:	:	:	:	:	. 226	.261	.113	1.095	.218
Massachusetts avenue	Washington street to Shawmut avenue (south roadway).	1910			:	*	900.	.085	610.	.025	.014	.014
Massachusetts avenue	Shawmut avenue to Tremont street (south roadway).	1910		:		*	.004	.034	900.	.026	.005	.017
Massachusetts avenue	Tremont street to Columbus avenue (south roadway).	1910		:		*	.003	.062	.148	.861	.028	.049
Massachusetts avenue	Boylston street to Boston & Alabny Railroad Bridge.	1909		:	*.034	.633	.105	.058	.881	.087	:	. 294
Massachusetts avenue	Bridge over Boston & Albany Railroad to 47 feet north of Newbury street.	1914	:	:		:	:	:	:	:	.011	.143
Morton street	Endicott street to 84 feet easterly	1906	:	:	:	:	*	:	:	+	:	:
Moulton street	Corey street to Vine street	1897	:	.043	.034	.200	:	:	.719	:	:	:
Moulton street	Vine street to Bunker Hill street	1897	:	.044	.029	660	:		:	:	:	.054
Norman street	Green street to South Margin street	1905	:			*.391	:	.161	:	:	.454	.012
Northampton street	Washington street to Shawmut avenue,	1905	:	:	:	*	.446	690.	.520	:	.559	.094
North Bennet street	Hanover street to Salem street	1904	:	:	*.018	:	:	.255	.003	.406	.109	. 590
North Margin street	Stillman street to Thacher street	1895	.085	.105	.045	060.	.111	.120	010	.174	.140	.253
Oswego street	Albany street to Harrison avenue	1920	:	:	:	:	:		:	4	:	.011
Oxford street	Beach street to Essex street	1917	:	:	:	:	:	+	:	800.	:	†1.105
Palmer street	121 feet east of Winslow street to 203 feet west of Eustis street.	1906	:	:		:	*		602.	.092	:	.072
Parkman street	North Anderson street, across Blossom street.	1898	0.013	0.058	0.069	0.623	:	0.087	0.039	0.829	0.256	0.053.
	* Guaranty expired.		† Repayed	.ed.			++	‡ Part repayed	ved.			

Cost of Sheet Asphalt Repairs, 1912-21.—Concluded.

STREETS.	Limits.	Year Laid.	1912.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.	1921.
Parmenter street	Hanover street to Salem street	1902	*\$0.006 \$0.213		\$0.154 80.531	\$0.531	\$0.264 \$0.346	\$0.346	\$0.230	\$0.173	\$0.121	\$0.336
Parnell street	Lenox street to Sawyer street	1902	*	:	:	800°	:	:	:	.003	:	:
Peacevale road	Norfolk street to Dunbar avenue	1915	:	:	:	:	:	:	:	:	쓗	.003
Pelham street	Washington street to Shawmut avenue,	1917	:		:	:	:	+	:	:	.024	.073
Pinckney street	Charles street, across Brimmer street	1895	.036	920.	960.	.175	.040	.123	.180	.127	.175	‡.378
Pine street	Washington street to Harrison avenue,	1896	.142	.031	:	220.	262	.057	:	.478	.016	.276
River street	Beacon street to Mt. Vernon street	1912	:	:	:	:		*	.075	:	.033	.182
Rochester street	Harrison avenue to Albany street	1914	:	:	:	:	:	:	:	* .004	.030	.074
Rogers street	Dorchester street to Preble street	1891		:	S90.		:		:	:	:	+
Roxbury street	Guild row to Washington street	1904	:	:	* .024	.117	:	.144	:	.438	:	.095
Ruggles street	Shawmut avenue to Cabot street	1907	:	:	:	:	:	*	.483	. 164	.064	.014
Salutation street	Hanover street to Commercial street	1905	:	:		*	:	:	:	.345	:	.424
Shawmut avenue	132 feet south of Castle street, across Cherry street.	1915	:	:	:	+-	.002	.007	.022	.067	940.	.094
South Margin street	Staniford street, across Norman street,	1905	:	:		* .374		.417	:	:	242	:
Stoddard street	Howard street to Court street	1892	.023	920.	990.	:	.543	:	:	:	388	:
Temple place	Washington street to Tremont street	1900	980.	.183	.268	.504	.025	.341	.313	131	980.	690.
Thacher street	Washington Street North to Endicott street.	1892	1.127	.453	.093	.469	.214	+-		.081	.052	.156
Tileston street	Hanover street, across Unity street	1905		:	:	*	:	.103	.108	.232	:	.477
Fileston street	Tileston street Unity street to Salem street	${1895 \choose 1900}$.385	.206	.057	.243	:	.103	.108	.200	.571	

+	.018	:	.211	.023	.027	.552	.129	.398	:	.216	‡1.173	.211	.032	.132	.085	.022	.005	.027	.926	į
	.025	+	.139	.012	.047	.528	.032		610.	.612	800.	:	:	:	:	:	:	:	.393	
090.	:	:	.286	.051	:	1.055	200.	.003	:	282	:	600.	+	247	.185	660.	*	1.019		
.003	.210	*	.100	.301	.046	350	.244	.138		.918	.003	600.	:	:	:	:	:	:	.062	aved.
	:		.100	*	:	+	:	:	:	.005	:	.027	:	:	:	:	:	020.	.091	† Partly repayed
	:	:	1284	:	:	:	.049	.025	:	246	:	.051	:	.084	.020	.022	:	.506	:	‡ P.
690	:	:	.249		:	:	.329	.050	:	.405	.155	:	:	*	.174	:	:	010	*	
100.	.042	:	820.	:	.010	:	.063	.125	*	860.	.026	.017	:	:	.067	*	:	990.		
.136	.035	+	.071	:	640.	:	.256	.168		.164	.014	090		:	:	:	:	.029	:	Ä
:	:	:	.390		:	:	.059	800.	:	.154	*	020.	:	:	910.	:	:	.159	:	† Repaved
1907	1897	1913	1897	1907	1897	1917	${1884 \atop 11891}$	1891	1904	1899	1902	1896	1919	1905	1892	1909	1914	1897	1905	
Stuart street, across Stanhope street	Bunker Hill street 141 feet northerly	Washington street to Harrison avenue	Tileston street to Charter street		Bunker Hill street, across Moulton street.	Winthrop street to Soley street	Eliot street to Tremont street	Shawmut avenue to Washington street,	22 feet north of Marvin street to Zeigler street.	Bridge over Fitchburg Railroad		Liberty square to Broad street	209 feet east of Dorchester avenue to A street.	C street to D street	153 feet west of E street across E street.	Shawmut avenue to Corning street	Talbot avenue to Norfolk street	North Margin street to Salem street		* Guaranty expired.
Trinity place	Tufts street	Union Park street		:	Vine street	Warren street	Warrenton street	Warrenton street	Washington street	Washington Street North,	Water street		West Broadway	West Sixth street	:	Wheeler street	:	:	Wiggin street	

Sheet Asphalt.

With 13-Inch Wearing Surface and 12-Inch Binder on a Granite Block, Cobble, or Mucadum Base.

								-				
Strabets.	Limits.	Year Laid.	1912.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.	1921.
Albany street	Hampden street to Eustis street	1918§	:	:	:			*	+		\$0.252	\$0.41
Allen street	Charles street to Blossom street	1917§	:	:	:					:	.025	.026
Batterymarch street	Milk street to 93 feet west of Broad	1909	:	:	*	\$0.005	\$0.131	80.08	\$0.047	\$0.030	640.	090
Blue Hill avenue	Street. Dewey street to north side of Savin	1917§	:				*	++		.456	:	.148
Brighton street	street, East side. Leverett street to Allen street	1892	\$0.327	\$0.271	\$0.123	.341	.214	.298	.010	.378	.390	.132
Chambers street	Charles street to Brighton street	1895	.116	.154	.131	.361	900.	.083	:	.160	.286	026
Charter street	Hanover street across Unity street	1894	.388	.255	.145	.628	. 222	620.	.087	.456	.252	.200
Clark street	Hanover street to North street	1892	.223	207	.219	.352	.391	923	991	.422	.079	.132
Dearborn street	Albany street to 56 feet southerly	1918§	:						*	+-	:	:
Florence street	Washington street to Harrison avenue	1917§	:	:	:	:	:	*	4		:	0.025
Groton street	Washington street to Shawmut avenue,	1892	620.	.031	.061	144	161.	.360	161.	.088	:	.117
Moon street	North square to Lewis street	1891	.248	.073	.071		.132		1.131			
Oxford street	Beach street to Essex street	1895	.217	.182	880.	.248	.013	-	:	:	:	
Parker street	Caldwell street to Ward street	1917	:	:	:		:		:	.131	:	:
Poplar street	Chambers street to Charles street	${1887 \brace 1892}$.172	.102	.109	.382	.157	.236	.014	.400	.344	.073
Rose street	Harrison avenue to Albany street	1917	:	:	:	:	:		:	010	.737	£60°
Smith street	St. Alphonsus street to Phillips street	1917§	:	:	:	:	:	+-	:	:	.012	
Spring street	Poplar street to Leverett street	1895	.160	.183	.128	121	.422	093	990.	.582	.677	.248
Sun Court street	North square to Moon street	$\{ \frac{1891}{1892} \}$.190	.119	.043		.139		1.150	.071		921.
Stillman street	Endicott street across Norman street	1892	.041	.286	.157	190.	.159	.033	1.648	.179	:	1.075
Tyler street	Beach street to Harvard street and Oak street to Curve street.	1917§				*		+	.026	.034	610.	.058
*Guaran	*Guaranty expired. † Repaved.		+	‡ Part repaved	ved.		· Sn	Resurfac	§ Resurfaced over bitulithic	tulithic		

Rock Asphalt.

With 2-Inch Wearing Surface on a Cement Concrete Base.

STREETS.	Limits.	Year Laid.	1912.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.	1921.
Anton street	Washington street to Bradford street	1896	\$0.241	\$0.037	\$0.037	\$0.036			:	\$0.170		\$0.196
Areh street	Summer street to Franklin street	1901	.028	.005	202	+-	:	:	:	:	:	:
Athens street	West Second street to A street	1895	.102	:	.031	.056	:	:	:	.061	:	.052
Athens street.	B street to C street	1892	.059	:		.121	:	:	:	.034	:	980.
Athens street	C street to D street	1901	.172	:	:	.226	:		:	.033	:	.049
Avery street	Mason street to Washington street	1897	.144	:	+	:	:			:		
Barton street	Leverett street to Milton street	1895	.054	.084	.011	.661	:	80°08	:		\$0.138	240
Beacon street		1901	.039	.072	.072	.058	\$0.041	.059	\$0 085	.228	980	940
		1901	.125	.002	.021	.115	.036	:	:	8F0.	:	.038
Bradford street	Waltham street to Shawmut avenue	1897	.034	.011	.031	.033	.140		:	.067	:	.176
Cobb stroot	Washington street to Shawmut avenue,	1897	.032	:	.024	:	:	:	.017	.031	:	:
Doestur etreet	Washington street to Harrison avenue,	1892	.283	.187	.127	.064	674.	.519	-18 -	.223	.127	.242
Dudley street, east side.	East side Dunmore street to Magazine	1902	*	160.	.114	:	.138	:	:	. +88	:	.014
	Street	1893	.050	.280	.043	.001	990.	.00s	:	.083	:	.218
Dwignt street	Tufts street to Essex street	1901	.057	.038	.141	.020	.367	.086	262		.007	.302
Exeter place	Chauncy street to Harrison avenue	1897	.045	.025	:	.031	.052	:	.364	:		.195
	* Guaranty expired.		-			+ R	† Repaved.					

Rock Asphalt.—Continued.

	The second secon	•										
Streets.	Ілмия.	Year Laid.	1912.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.	1921.
Fabin street	Newland street to Ivanhoe street	1895		*0.058	\$0.101		\$0.013					\$0.245
Fay street	Dover street to Harrison avenue	1894	\$0.375	910.	.032	:	.095	\$0.430	:	\$0.025	:	.451
Genesce street	Harrison avenue to Albany street	1899	:	:	:	:	.048	.442	\$0.295	.228	\$0.424	.164
Gold street	B street to D street	1001	.111		.012	\$0.048	:	:	:	.059		.041
Hanover street, East side,	Tileston street across Charter street	1896	.310	.486	.187	.379	.451	.490	.622	.329	:	:
Harrison avenue	Northampton street to Lenox street	1908	:	* .043	.054	.305	:	.104	.085	.035	.054	.051
lluntington avenue	B. & A. R. R. B. bridge to Massachusetts avenue.	1896	.037	.059	.043	.061	.051	.072	. 139	.141	.116	290.
Huntington avenue	Massachusetts avenue to Gainsborough street.	1896	:	.012	.033	.020	.117	.093	:	.129	610.	200.
India street	Milk street to India square	1901	. 536	.215	.224	.365	.268	+-	:	:		:
K street	East Eighth street to East Sixth street,	1896	:	.443	.049	.130	.221	:	:	.639	.383	.137
Lawrence street	Lawrence avenue to Miller street	1901	:	.036	.031	:	.014	:	.039	:	.263	.024
Marlborough street	Arlington street to Clarendon street	1901	900.	.027	910.	.005	.002	600.	¥00°	.015	.015	:
Massachusetts avenue	Albany street to Harrison avenue	1894	.056	.154	901.	.429	.157	.185	.317	.127	.118	:
Massachusetts avenue	Harrison avenue to Washington street,.	1894	.058	.071	.138	990.	.268	.124	.250	.284	1.254	.059
Massachusetts avenue	Huntington avenue to Boylston street,	1901	.164	.214	.172	.299	.328	.280	.773	690.	.200	.293
Massachusetts avenue	Newbury street to Beacon street	1901	.617	.395	.237	.310	.029	.155	299.	.100	.454	.220
Mayo street	Castle street to Cobb street	1897	.047		.035	:	:	:	.015	.094	.035	:
Meander street	East Dednam street to Maiden street,	1896	.010	640.	:	:		- : :			.801	:

					† Repaved.	† R					* Guaranty expired	
.031	:	.059			:	:	s00·	:	.193	1901	C street to D street	Tudor street
.199	.025	.031	:	:	.061	:	690.	.024	940.	1896	Dwight street to Milford street	Taylor street
.157	:	.190	:		800°	.033	.047	:	. 193	1901	B street to D street	Silver street
	:		:	:		+	.214	.114	.504	1898	132 feet south of Castle street across Cherry street.	Shawmut avenue
.412	511.	921.	.244	.124	.408	.304	.145	.045	.181	1901-13	Endicott street across Prince street	Salem street
.016	.590	:	:	:	.088	:	.039	680.	:	1896	Mystie street to Harrison avenue	Ryan street
.389	620.	.247	.307	.283	.298	.314	.189	.409	.225	1895	Hanover street to Salem street	Prince street
.083	:	:	.032	.002	:	:	900.		:	1894	At Court House	Pemberton square
:		:	:	+	:	.145	.290	.105	.193	1897	Washington street to Shawmut avenue,	Pelham street
.057	.111	.021	.021	.347	.219	:	.082	.043	.054	1897-99	Emerald street to Tremont street	Paul street
:		:	:	:	.003	:	.015	.003	910.	1901	Beacon street to Riverway	Otter street
:	+	600.	.153	:	.050	.025	.082	.010	.075	1899	Harrison avenue to Albany street	Oswego street
.439	:	.260	:		:	:	.119	_ <u>:</u>	.254	1896	Washington street to Shawmut avenue,	Ohio street
:	.464	:	:	:	.008	:	.024	.043	:	1896	Mystic street to Meander street	Norwich street
.231	.153	.172	:	.132	.034	:	.053	.021	.085	1897	Thacher street toward Endicott street,	North Margin street
.384	:		:	:	:	.014	.061		*	1902	West Brookline street to West Newton street.	Newland street
.022	.030	:	:	:	:	.011	.072	.037	900.	1895	Malden street to East Brookline street,	Mystic street
.420	:	.403	.042	:	.175	:	.138	.059	:	1892-99	Washington street to Harrison avenue,	Motte street
.092	:	.054	:	.053	:	660.	:	.058	:	1899	Spring street to Brighton street	Milton street
.007	.861	:	.170	:	.032	:	.027	.231	:	1901	Main street to Lawrence street	Miller street
:	1.080			:	.652	:		.169	:	1900	Trenton street to Eutaw street	Meridian street

Rock Asphalt.—Concluded.

STREETS.	Limits.	Year Laid.	1912.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.	1921.
Tufts street	Kingston street to South street	1901	\$0.033	\$0.029	80.033 80.029 80.018 80.117 80.127 80.353 80.104 80.039 80.021	\$0.117	\$0.127	\$0.353	\$0.104	\$0.039	\$0.021	\$0.157
Tyler street	Oak street to Harvard street	1901	. 180	.099	.102	.178	.279	.207	.422	.028	.482	.132
Warren street	Winthrop street aeross Soley street	1901	.293	.543	.517	.663	.626	*	:	:	:	:
Waterford street	Washington street to Shawmut avenue	1897	.168	:	.190		:	:	.614	.248	:	.224
West Broadway	196 feet east of Dorchester avenue to A street.	1892	.105	.271	.307	.559	.495	.656	911.	*	:	:
West Broadway	150 feet west of F street to 267 feet east of F street.	1897	660.	.059	.121	.145	:	:	:	.408	.173	.149
West Broadway	267 feet west of F street to 28 feet west of Dorehester street.	1898	.022	.082	.132	.021	.319	.117	:	.283	:	:
Whitmore street	Kneeland street to Harvard street	1895	.055	.035	:	:	.038	:		.300	:	.413

*Repaved.

Summary of Table Showing the Cost of Asphalt Repairs, 1912-21.

		υ	CONTRACT PRICES.	sý.		AREAS AND COSTS	Costs.	
Year.	Contract Awarded to	Asphult Surface and Binder per Square Yard.	Concrete Base per Square Yard	Extra Binder per Cubic Yard.	Total Area Not Under Guaranty Maintained by the Public Works De- partment.	Cost of Maintenance for Current Year.	Unit Area Repaired.	Unit Cost per Square Yard.
1912	Warren Brothers Company *	\$1.24	\$1 10	\$11.00	223,848	\$26,397.97	.0933	118
1913	Warren Brothers Company *	1.37	1 15	11 00	226,837	22,839 01	.0729	101
1914	Central Construction Company *	1 19	1 00	11 00	237,204	23,384 52	.0821	660.
1915	Central Construction Company *	1 06	1 00	11 00	238,545	40,633 82	.1550	021
1916	Central Construction Company *	1 16	2 50	4 00	280,268	25,941 25	9620"	.093
1917	Central Construction Company * Warren Brothers Company †	1 37 .	50	12 00	299,822	$ \left\{ \begin{array}{c} 29,883 & 29\\ 838 & 44 \end{array}\right\} $.0729	102
1918	The Bermudez Company *	1 38	3 50	12 00	312,523	50,195 58	.1080	191
1919.	Central Construction Company *	1 83	2 00	8 00	312,816	40,147 81	.0700	128
1920	The Bermudez Company *	2 30	3 50	14 00	340,713	39,275 77	.0489	115
1921	Rowe Contracting Company	2 10	2 25	14 00	410,614	29,857 40	.0337	.073

* Advertised and awarded to lowest bidder.

† By agreement.

Two-inch Bituminous Concrete Wearing Surface on a Cement Concrete Base.

1921.	600.	:	.021	.058	.052	:	:	.039	.411		.031		.004	.046	.048
1920.	.076	.137	.267	.052	.033	*.006		.130	:	.037	.010	.003	\$ 00.	.036	.228
1919.	*	\$0.189	*	*	:		.185	.003	*	*	*	*	:	*	*.051
1918.	:	912.	*	:	*		:	600	:	:	:	:	:		
1917.		*	:	:	:	:	*	*		:		:	*	:	:
1916.	:	:	:	:	:	:	:	:	:	:	:				
1915.		:		:	:	:	:	:		:	:	:	:	:	
1914.		:	:	:	:	:	:	:	:	:	:	:	:	:	
1913.				:			:	:	:	:	:	:	:	:	
1912.				:		:	:	:	:	:	:	:	:		
Year Laid.	1914	1912	1913-14	1914	1913	1915	1912	1912	1914	1914	1914	1914	1907	1914	1914
Limits.	Tremont street to Washington street	Huntington avenue to Exeter street	East side of Exeter street to Hereford street.	Bernard street to Wales street	Green street to 14 feet west of Eliot street.	187 feet south of Dakota street to Park street.	Columbus avenue to Pembroke street	Stuart street across Huntington avenue,	8 feet north of Rodgers street to 154 feet north of Dorchester avenue.	Huntington avenue to Boylston street,	Cambridge street to Commonwealth avenue.	Massachusetts avenue to Charlesgate East.	Tremont street to Columbus avenue, north roadway.	Talbot avenue to bridge over the Midland Division, N. Y., N. H. & H. R. R.	Clarendon street to Huntington avenue,
Srreets.	Avery street	Blacden street	Boylston street	Browning avenue	Centre street	Claybourne street	Columbus square	Dartmouth street	Dorchester street	Exeter street	Harvard avenue	Marlborough street	Massachusetts avenue	Norfolk street	St. James avenue

South street	North side of Jamaica street to north side of Keyes street.	1913		:	:	<u>:</u>	:	:	<u>:</u>	* :	<u>:</u>	:		.119
Spring street	Allen street to Poplar street	1913	:		<u>:</u>	<u>:</u> :	:	:	<u>:</u>	<u>*</u>		.187	.013	
Station street	Station street Columbus avenue to Parker street	1914	:		<u>:</u>	<u>:</u> :	:	:	<u>:</u>	<u>:</u> :	<u>:</u>	*	620.	:
Trinity place	Trinity place St. James avenue across Stuart street	1912	:		<u>:</u>	<u>:</u> :	:	:	*	<u>:</u>	:	.012	:	900.
Washington street	Cambridge street to 126 feet west of Chestnut Hill avenue.	1913			<u>:</u>		:	:	<u>:</u>	:		.125	.108	.032
Winter street	Washington street to Tremont street	1913	:		<u>:</u>	<u>:</u>	:	:	<u>:</u>	<u>-</u>	<u> </u>	080	.386	.343
Zeigler street	Warren street to Dearborn street	1914	* .013	:	<u>:</u>	<u>:</u> :	:	:	:	:	*	.013	.028	:

* Guaranty expired.

Two-inch Bituminous Concrete Wearing Surface on a Crushed Stone, Macadam or Granite Block Base.

		W-100										
Streets.	Limits.	Year Laid.	1912.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.	1921.
Allen street	Blossom street to Chambers street	1905	:			*		\$0.017		\$0.253	\$0.030	\$0.123
Ashburton place	Bowdoin street to Somerset street	1161	:		*	:		.023	:	:	:	.622
Belvidere street	West Newton street to Massachusetts avenue.	1903	:	*\$0.078	*\$0.078 \$0.034	\$0.768		.004	:	.011	.064	.025
Berkeley street	Tremont street to Columbus avenue	1906	:	:	:	:	*	:	\$0.365	.328	.473	:
Berkeley street	Boylston stret to Beaeon street	1903	:	*.005	.001	.005		.025	:	:	222	.472
Blue Hill avenue	Brunswick street to north side of Devon street.	1906	:	<u>:</u>	:		*	:	:	1.268		
Bowdoin street	Ashburton place to Cambridge street	1905	*	.164	620.	.219		.016	:	:	060.	.602
Bowen street	E street to F street	1903	:	*	:	:		:	:	.023	-	
Boylston street	Massachusetts avenue across Hemenway street.	1905	: : :	:	<u>:</u>	*		.654	.370	.299	.429	.021
Clarendon street	Boylston street to Beacon street	1905	:	:	:	*.011		.003	:	:	.192	.012
Dartmouth street	Newbury street to Beacon street	1903	:	*	.001	.049	:			:	.016	.127
E street	West Broadway across East Fourth street.	1903		*		:	:		:		:	.597
Emerald street	Castle street to Dover street	1904	:	: ::	*.004	.005			.178		.015	.023
Gainsborough street	Huntington avenue to Providence Division N. Y., N. H. & H. R. R.	1903	:	*	.032	:		:	1.067	:	:	.042
Garden Court street	North Square to Fleet street	1906	:	:	:	:	*	060.	:	.611	:	
Hancock street	Mt. Vernon street to Cambridge street,	1903	*	600.	.027	.167	:	.001	:	:	.012	.016
Harrison avenue	East Springfield street to Northampton street.	1905	<u>:</u>	: :	:	*	\$0.279	.779	.253	.420	.215	:

1906
1905
1903 *.094
1902 *.300
1903 *.013
1906
1906
* 1903
1906
1904
1905
1904
1905
1902 * .042
1905
* 1903
1903 *.014
1903 *.014
1904

* Guaranty expired.

† Repaved.

Summary of Table Showing Cost of Bituminous Concrete Repairs, 1913-21.

			ŭ	Contract Prices.	ø,			Areas and Cost	Cost.	
Year.	Contract Awarded to	Bituminous Concrete Full Depth Patches per Square Yard.	Bituminous Concrete Surface Patches per Square Yard.	Concrete Base per Square Yard	Extra Binder per Cubic Yard.	Flush Coat per Square Yard.	Total Area Not Under Guaranty Maintained by the Public Works Department.	Cost of Maintenance Unit Area for Current Repaired. Year.	Unit Area Repaired.	Unit Cost per Square Yard,
1913	Warren Brothers Co.*	\$1 37	4 \$0 80	\$1 15	\$11 00		40,888	\$1,625,60	.0309	\$0.040
1914	Central Construction Co.*	1 09	52	1 00	11 00	4 \$0 07	62,315	1,417 89	.0531	.023
1915	Central Construction Co.*	1 06	20	1 00	11 00	4 07	83,473	10,396 54	.1685	.125
1916	Central Construction Co.*	1111	50	2 50	4 00		98,298	1,666 65	.0129	.018
1917	Central Construction Co.* Warren Brothers Co.†	1 37	2.2	2 50	12 00		103,973	1,335 99 2,382 04	.0304	.036
1918	The Bermudez Co.*	1 38	09	3 20	12 00		122,814	16,244 76	.1007	.132
1919	Central Construction Co.*	1 83	1 20	2 00	8 00		190,150	13,767 77 11 1,220 47	.0469	620.
1920		2 20	1 62	3 50	14 00	† 20	227,457	14,334 27	.0288	.063
1921	Rowe Contracting Co	2 10	1 00	2 25	14 00		249,259	10,995 99	.0332	.044

* Advertised and awarded to lowest bidder.

† By agreement.

APPENDIX D.

REPORT OF THE DIVISION ENGINEER OF THE SEWER AND SANITARY DIVISION.

Boston, February 1, 1922.

Mr. Thomas F. Sullivan,

Commissioner of Public Works:

Dear Sir.—I submit herewith a statement of the activities, operations and expenditures of the various Services of the Sewer and Sanitary Division for the year ending January 31, 1922. The maintenance expenditures of the Sewer and Sanitary Division for the year were as follows:

Sewer Service						\$607,043	15
Sanitary Service						$1,\!536,\!633$	
Street Cleaning	and	Oiling	: Sei	vice		916,061	41
Total .						\$3,059,737	83

SEWER SERVICE.

During the year 1921-22 there were built throughout the city 7.08 miles of sanitary sewers and surface drains.

There were 7,196 catch-basins and 101 inlets cleaned and a total of 28,722.87 cubic yards of material removed.

In the city proper district the principal work was that of replacing the old wooden sewer in Chatham street, between Commercial street and Merchants row, with a reinforced concrete sewer, thereby removing a long-standing cause of complaint in the past.

In Roxbury the most important work was that of completing the rebuilding of Muddy river conduit in Brookline avenue and the building of sanitary sewers in Alleghany street, Bickford street, Peabody street and Townsend street.

In South Boston the extension of East First street overflow in Farragut road and the building of a sewer and surface drain in East Second street will relieve the floodings in the vicinity of First street and P street at Second street.

In Charlestown 918.57 feet of pipe sewers and surface drains were built, the principal work being that of building sewer, catch-basins, etc., in Chelsea street between Henley street and Chestnut street in advance of the widening and paving.

The most important construction work in the East Boston district was that of the extension of the Lubec street outlet, where 402 linear feet of 6-foot 9-inch rein-

forced conduit was built.

In the Dorchester district the principal work was that of the extension of the Davenport brook for a distance of about 510 feet which has been repeatedly called for by the adjoining property owners.

In Hyde Park the work was principally that of the

extension of sanitary sewers.

In the Brighton district pipe sewers were built in Melton road, Imrie road, Parker avenue, Allston Heights and North Beacon street. Work has been started on the Faneuil Valley brook conduit by building stop plank manholes to allow the proper cleaning of this conduit.

In West Roxbury the most important work was the completion of section 10 of Stony brook new Toll Gate road consisting of 270 linear feet of 17-foot by 13-foot 9-inch reinforced concrete conduit, and the start on the covered channel for Roslindale Branch of Stony brook where there was built 875 linear feet of a 10-foot 9-inch concrete conduit to relieve the floodings in the vicinity of Firth road, Bexley road and Murray Hill road. A start was also made on the Glendale road outlet between Metropolitan sewer and North avenue to provide a sanitary sewer outlet for a large area in the vicinity of Baker street, Elmwood street, Centre street and Grove street.

Sanitary Service.

The committee appointed by his Honor the Mayor after a thorough investigation of the methods of the disposal of ashes, rubbish, garbage, etc., in other large cities of the United States, decided upon a method of disposal for Boston, and after bids were received recommended that the award be given to the lowest bidder, Coleman Brothers, at a cost of \$3,795,000 for a ten-year period beginning July 1, 1922. This was later approved by the City Council and by his Honor the Mayor.

This contract does not include the garbage disposal for four outlying districts, as at the present time this garbage is collected by contract and sold to farmers for hog feeding. Studies should be made as to improved methods of collection and as to more frequent collections.

STREET CLEANING SERVICE.

The duties of this service, to keep the streets and alleys free from filth, dirt, etc., are in my estimation one of the most important functions of the Public Works Department. The paving program, with its extension of smooth pavements, puts a greater burden on this service and an increase in equipment and men should be considered seriously. The continuation of the car sprinkler and motor-driven flushers have again proven of great value and have met the test of time in a most satisfactory manner. A new Elgin motor-driven pick-up machine has been purchased, making a total of three in this service at the present time.

Yours respectfully, E. F. Murphy, Division Engineer, Sewer and Sanitary Division.

SEWER SERVICE.

The work of the Sewer Service is carried on under chapters 28 and 40, Revised Ordinances of 1914, and the following statutes:

Chapter 426, 1897, as amended by 450, 1899, and 268, 1903. Chapter 383, 1903, as amended by 464, 1907.

Chapter 550, 1907.

Chapter 204, 1908.

Chapter 514, 1908.

Chapter 74, Special Acts, 1918.

THE DUTIES OF THE SEWER SERVICE.

1. Preparation of plans for sewerage works.

2. Construction and maintenance of all drainage works.

3. Investigation of complaints in regard to defective drainage.

4. The granting of permits for sewer construction.

5. The preparation of plans for the assessment of the cost of sewer construction.

6. The examination of the plans of other corporations proposing to construct works in public streets with reference to their probable interference with sewerage works.

Total number of 31, 1921				-	c	333
Total number of	emplove		roll Jani	19.rv	ē) 00
31, 1922					9	326
Total amount o	f weekly	pay roll	January	31,		
					\$9,581	49
Total amount o	-	pay ron	January	31,	\$9,906	11
Total amount of			l January	31,		
1921					\$416	00
Total amount of 1922 .					\$416	67
Total amount of	f monthly	pension	roll Janı	ıary		
31, 1921: Veterans .					\$501	90
Laborers .	• •			•	\$501 \$571	13
zasorons .	•	• •		•	₩0.1	10

Public Works Department.	481
Total amount of monthly pension roll January 31, 1922:	
Veterans	\$553 80 \$541 13
year charged as follows: Maintenance	* \$6,623 10
Sewerage works	\$3,693 67
Average number of men employed Number of men on pension roll January 31, 1921:	338
Veterans	11 19
Number of men on pension roll January 31, 1922:	12
Veterans	18
Average number of horses maintained by the service during the year	28 \$4 00
* Includes amount charged to	
Paving Service Sanitary Service Street Cleaning and Oiling Service Water Service High Pressure Fire Service Sea Wall, etc., Roxbury Canal	. \$2,089 36 . 856 88 . 455 50 . 91 52 . 217 80 . 18 63

Financial Statement from February 1, 1921, to January 31, 1922.

		- 4					
Object.	Balanees on Hand Feb. 1, 1921.	Appropriations, Loans and Transfers.	Transfers to.	Transfers to. Transfers from. Total Credits.	Total Credits.	Expenditures During the Year.	Balances on Hand Jan. 31, 1922.
Sewer Service		\$607,430 67		:	\$607,430 67	\$607,043 15	\$387 52
Sewerage works	\$295,615 71	\$295,615 71 1,000,000 00		:	1,295,615 71	974,138 27	321,477 44
Old Harbor improvement	90,033 83	:			90,033 83	* 58,852 93	31,180 90
Totals	\$385,649 54	\$385,649 54 \$1,607,430 67			\$1,993,080 21	\$1,993,080 21 \$1,640,034 35 \$353,045 86	\$353,045 86

* \$13,767.31 expended by Bridge Service.

MAINTENANCE EXPENDITURES FEBRUARY 1, 1921, TO JANUARY 31, 1922.

SEWER SERVICE.

Improved Sewerage.

Pumping Station, Calf Pasture, Pumping Station, Calf Pasture, Pumping Station, Calf Pasture, Pumping Station, Calf Pasture, Pumping Station, Union Park's Pumping Station, Summer stree Pumping Station, Hyde Park Moon Island	outs engi boil treet et	side ines ers						\$139,986 25,831 52,768 36,831 12,409 1,369 1,077 \$270,273 19,232 14,948 \$304,453	01 60 20 46 33 57 50 25 03
	Ston	y Bre	ook.					#30 - , 1 30	
Maintenance								3,978	63
								-,	
Miscellaneou	s M	ainte	nanc	e Ch	arge	s.			
Cleaning catch-basins								109,268	74
Yards and lockers		Ċ			Ċ	Ċ	Ċ	702	
Employed at yards								22,107	
Horses, carts, harnesses, etc.					\$18	,517	04		
Employed at yards Horses, carts, harnesses, etc. Teaming						,590			
8									
					\$37	,107	25		
Less amount earned by service	team	ıs			31	,241	13		
								5,866	12
Automobiles								12,248	34
Cleaning sewers								36,358	75
Office safaries								19,849	
Office expense								2,798	10
Repairing department buildings					\$1	467	72		
Repairing catch-basins, South I	Bosto	n				,533			
Repairing catch-basins, East Bo	ston		•			,069			
Repairing caten-basins, Unaries	town	ì			2	,188			
Repairing catch-basins, Brighto	n .					949			
Repairing catch-basins, West R	oxbu	ry			2	,806	40		
Repairing catch-basins, Dorches	ster	•			5	852	44		
Repairing catch-basins, Hyde P						266			
Repairing catch-basins, Roxbur		•	•	•	2,	508	69		
Repairing catch-basins, city pro	per	•		•	2,	762	27		
Repairing sewers, South Boston		•	•			546			
Repairing sewers, East Boston Repairing sewers, Charlestown		•	•	•		$\frac{366}{343}$			
Repairing sewers, Charlestown Repairing sewers, Brighton	•	•	•	•		873			
Repairing sewers, West Roxbury		•	•	•	1	,893			
	,	•		•	3	129	67		
Repairing sewers, Hyde Park		•	•	•		405			
Repairing sewers, Roxbury		•	•	•		443			
			•	•	3	424	ŏ6		
Tier ming someter, evel brober	•	•		٠.				37,830	76
${\it Carried\ forward}$								\$555,462	08

Brought forward .									\$555,462 08
Pension roll (veterans)		•	•	•	•	•	•	•	6,358 52
Pension roll (laborers).	•	•	•	•	•	•	•	•	6 677 26
		•	•	•	•	•	•	•	6,677 36 491 00
Annuities	•	•	•	•	•	•	•	•	3,191 69
Fuel and oil		•	•	•	•	•	•	•	9,191 09
Hardware, tools, etc		•	•			•	•	•	$3,117 07 \\ 1,001 12$
Engines and boilers .	٠,	•	•	•	•	•	•	•	1,001 12
Sundries and miscellane	ous ch	arges		•	•	•	•	•	20,067 97
Telephones			•		•	•	•	•	357 01
House connections .									9,411 11
Rubber goods									591 98
Gatehouses, Fenway .									5,664 73
Stock									6,276 12
									\$618,667 76
		-	redit	,					
		-							
Stock transferred and us	sed in	const	truct	ion		- \$9,	,800	21	
Fuel and oil transferred	l and ı	ised o	on ec	nstr	uc-				
tion						1,	362	00	
Hardware, tools, etc., t	ransfe	rred	and	used	in				
construction							27	40	
Engines and boilers tra	nsferi	red a	nd t	ised	on				
							435	00	
· ·		-		-	-				11,624 61
									\$607,043 15
									ψοσι,στο το
Charges to Various Parti	ies for	Work	Do	ne ar	nd M	ateri	al F	urni	shed, etc.
Cobb Brothers									\$7 50
		•	•	•		•	•	•	14 30
F. L. McLaughlin .	•	•	•	•	•	•	•	•	7 50
H. T. Rice		•	•	•	•	•	•	•	15 00
A. J. Cunningham Com			•	•	•	•	•	•	
Solomon Eiseman		•	•	•	•	•	•	•	$\frac{26}{5}$ $\frac{10}{5}$
M. Piscopo					•	•	•	•	7 75
B. W. Warrington .			•	•	•	•			7 75 7 32
Victor M. Hall					٠	•			
B. E. Sinclair									1 87
David J. Cole									7 75 18 50
Hotel Somerset									18 50
United States Health D	eparti	$_{ m ment}$							10 60
Boston Infirmary Depart	rtmen	t.							$50 \ 45$
Park Department									$133 \ 20$
Boston Fire Departmen	t.								380 00
Mrs. Cramer									7 75
Jiboana Mackba									7 75
Zurich General Acciden	tand	Liab	ility	Insu	ranc	e Co	mpa	nv.	
Ltd									75 00
N f 114 TV - 4	d Sew	era ge	Boa	rd		Ĭ.	Ţ.	·	5,869 36
New York New Haven	& Ha	rtford	Rai	ilroac	d Čoi	mnar	ıv.	•	9 44
New York, New Haven P. J. Doyle	a 11a	101010	1 11111	in ou		шрш	1 3	•	10 00
I A Simpling	•	•	•	•	•	•	•	•	15 00
J. A. Shiipkins	•	•	•	•	•	•	•	•	7 50
J. A. Simpkins L. V. Niles	•	•	•	•	•	•	•	•	15 00
1. Meyer		•	•	•	•	•	•	•	438 83
John F. Lynch	•	•	•	•	•	•	•	•	
George H. Abbott & Co	· .	•	•	•	•	•	•	•	$\frac{27}{7} \frac{31}{75}$
Mary E. Lynch	~:			•		•	•	•	7 75
Boston Elevated Railwa		mpan	у.	•					134 90
Thomas Burdett Agent									7 75
Boston Co-operative Bu	ıilding	Com	pan	у.					7 75
Î									
Carried forward .									\$7,336 68
•									

$Brought\ forward$	rd										\$7,336	68
T. Danahy & Son		•	-	-						-	21	
Lucy E. Callahan		•	•	•	•	•	•	•	•	•		24
	•	•	•	•	•	•	•	•				82
Edward Caulcy	•	•	•	•		•	•	•	•			
M. Marks								•			7	75
C. P. Rockwell, In	ıc.										7	75
Humboldt Garage											7	75
J. Friedberg .											5	43
H. Lesser .	•	•	•	•		•	•	•	•	•	11	
	•	•	•	•	•	•	•	•	•			00
H. H. Sylvester	•		•	•		•	•	•	•	•		
Betty Alden, Inc.											7	75
S. Rubin .											7	75
John Kelly .											2	50
George Bryne											10	00
Charles Street Gar	en ma	•	•	•	•	•		•		•		50
	age	•	•	•		•	•	•	•			75
H. E. Russell	٠	· m	٠,	•	•			•	•		.7	
Mercantile Real E	state	e Tru	ıst									00
George Y. Berry Mark H. Lynch											55	88
Mark H. Lynch											10	00
Elias Hirsch .				_							10	56
Kenney Manufact	urin	r Co	, നനവ	137	•		•	•		•		00
Superintendent of	Sun		праг	13	•		•	•	•		302	
Superintendent of	Sup	pnes	•	•	•	•	•	•	•			
M. J. Kelley .						•	•					50
P. J. Barrett .											21	
M. Sperroza .											7	75
Morse Real Estate	Tru	ıst									7	75
Charles L. Weiner											24	49
Fred T. Ley .		•	•	•	•	•	•	•	•	•	$-\tilde{7}$	
	•	•	•	•	•		•		•			05
Joseph Schlossberg	5	•	•	•	•	•	•	•	•	•		
Rosanna O'Neil											7	
William D. Cahill											16	68
											\$7,998	82
Amount Collected &	y th	e Cit	y Coi	lecto	r for	Sewe	er Se	rvice	Feb	ruary		
		e Cit	y Coi J an	lector uary	r for 31,	Sewe 1922.	er Se	rvice	Feb	ruary		
		e Cit	y Coi Jan	lector uary	r for 31,	Sewe 1922.	er Se	rvice	Feb	ruary		, to
F. L. McLaughlin		e Cit	y Coi Jan	lector uary	r for 31,	Sewe 1922.	er Se	rvice	Febn	ruary	1, 1921 \$14	, to 30
F. L. McLaughlin Cobb Brothers		e Cit.	y Coi Jan ·	lector uary	r for 31,	Sewe 1922.	er Se	rvice	Febr	ruary	1, 1921 \$14 7	7, to 30 50
F. L. McLaughlin Cobb Brothers H. F. Rice			Jan	llector wary	r for 31,	Sewe 1922:	er Se	rvice	Febr	ruary	1, 1921 \$14 7 7	30 50 50
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham	Cor		Jan	llector wary	r for 31,	Sewe 1922.	er Se	rvice	Febr	ruary	1, 1921 \$14 7 7 15	30 50 50 00
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman	Cor	npan	Jan y	llectoruary	r for 31,	Sewe 1922.	er Se	rvice	Febr	ruary	1, 1921 \$14 7 7 15 26	30 50 50 00 10
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham	Cor	npan	Jan y	llectoruary	r for 31,	Sewe 1922.	er Se	rvice	Febr	ruary	1, 1921 \$14 7 7 15 26 2	30 50 50 00 10 25
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman	Cor	npan	Jan y	llector uary	r for 31,	Sewe 1922.	er Se	rvice	Febr	ruary	1, 1921 \$14 7 7 15 26	30 50 50 00 10 25 75
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of	Cor Sup	npan	Jan y	llector uary	r for 31,	Sewe 1922.	er Se	rvice	Febr	ruary	1, 1921 \$14 7 7 15 26 2	30 50 50 00 10 25
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington	Cor Sup	npan	Jan y	llector wary	r for 31,	Sewe 1922.	er Se	rvice	Febr	ruary	\$14 7 7 7 15 26 2 7	30 50 50 50 00 10 25 75
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall	Cor Sup	npan	Jan y	llector wary	r for 31,	Sewe 1922.	er Se	rvice	Febr	ruary	1, 1921 \$14 7 7 15 26 2 7 7	30 50 50 00 10 25 75 75 32
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush	Cor Sup	npan	Jan y	llectory	r for 31,	Sewe 1922.	er Se	rvice	Febr	ruary	1, 1921 \$14 7 7 15 26 2 7 7 7 43	30 50 50 00 10 25 75 75 32 18
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers	Cor Sup	npan	Jan y	llectory	r for 31,	Sewe 1922.		rvice	Febr	ruary	1, 1921 \$14 7 7 15 26 2 7 7 43 18	30 50 50 50 10 25 75 75 32 18
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair	Cor Supj	npan	Jan y	llector uary	for 31,	Sewe 1922.	er Se	rvice	Febr	ruary	1, 1921 \$14 7 7 15 26 2 7 7 43 18 1	30 50 50 00 10 25 75 75 32 18 00 87
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair F. T. Ley Compan	Cor Supj	npan	Jan	llector uary	r for 31,	Sewe 1922.	er Se	rvice	Febi	ruary	1, 1921 \$14 7 7 15 26 6 2 7 7 43 18 8 1	30 50 50 00 10 25 75 75 32 18 00 87 25
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair F. T. Ley Compan D. J. Cole	. Cor Supp	npan	Jan	llector wary	for 31,	Sewe 1922.			Febi	ruary	1, 1931 \$14 7 7 7 15 26 2 7 7 7 43 18 1 10 0	30 50 50 00 10 25 75 75 32 18 00 87
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair F. T. Ley Compan D. J. Cole	. Cor Supp	npan	Jan	illecto	for for 31,	Sewe			Febi	ruary	1, 1921 \$14 7 7 15 26 6 2 7 7 43 18 8 1	30 50 50 00 10 25 75 75 32 18 00 87 25
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair F. T. Ley Compan D. J. Cole Mrs. Cramer	. Cor Supp	npan	Jan	illector	for for 31,	Sewe			Febi	ruary	1, 1921 \$14 7 7 15 26 2 7 7 43 18 1 10 0 7	30 50 50 00 10 25 75 32 18 00 87 25 75
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair F. T. Ley Compan D. J. Cole Mrs. Cramer Hotel Somerset	. Cor Supp	npan	Jan	illector	for for 31,	Sewe 11922.	r Se		Febi		1, 1921 \$14 7 7 15 26 2 7 7 43 18 1 10 7 7	30 50 50 00 10 25 75 32 18 00 87 25 75 75 75
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair F. T. Ley Compan D. J. Cole Mrs. Cramer Hotel Somerset Jibrana Mickba	Cor Sup	mpan plies	Jan	uary	31,	1922.					1, 1921 \$14 7 7 15 26 2 7 7 43 18 1 10 0 7	30 50 50 00 10 25 75 32 18 00 87 25 75
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair F. T. Ley Compan D. J. Cole Mrs. Cramer Hotel Somerset Jibrana Mickba Zurich General Ac	Cor Sup	mpan plies	Jan	uary	31,	1922.					1, 1921 \$14 7 7 75 26 2 7 7 7 43 18 1 10 7 7 18 8	30 50 50 00 10 25 75 75 32 18 00 87 25 75 75 75
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair F. T. Ley Compan D. J. Cole Mrs. Cramer Hotel Somerset Jibrana Mickba Zurich General Ac L't'd	Cor Sup	mpan plies	Jan	uary	31,	1922.					1, 1931 \$14 77 75 26 26 27 77 43 18 1 10 77 78 18 77 77 77 77 77 77 77 77 77 7	30 50 50 00 10 25 75 75 32 18 87 25 75 75 75 75 75
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair F. T. Ley Compan D. J. Cole Mrs. Cramer Hotel Somerset Jibrana Mickba Zurich General Ac L't'd P. J. Doyle	Cor Supp	inpanpanplies	Jan	wary	31,	1922.		Com	· · · · · · · · · · · · · · · · · · ·		1, 1921 \$14 7 7 15 26 2 7 7 43 18 1 10 0 7 7 7 18 7	7, to 30 50 50 00 10 25 75 32 18 87 25 75 75 75 75 75 75 75 75 75 7
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair F. T. Ley Compan D. J. Cole Mrs. Cramer Hotel Somerset Jibrana Mickba Zurich General Ac L't'd P. J. Doyle New York, New H	Cor Supp	inpanpanplies	Jan	wary	31,	1922.		Com	· · · · · · · · · · · · · · · · · · ·		1, 1921 \$14 7 7 15 26 2 7 7 43 18 1 10 7 7 18 7	30 50 50 50 10 25 75 75 32 18 00 87 75 50 00 44
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair F. T. Ley Compan D. J. Cole Mrs. Cramer Hotel Somerset Jibrana Mickba Zurich General Ac L't'd P. J. Doyle	Cor Supp	inpanpanplies	Jan	wary	31,	1922.		Com	· · · · · · · · · · · · · · · · · · ·		1, 1921 \$14 7 7 15 26 2 7 7 43 18 1 10 0 7 7 7 18 7	30 50 50 50 10 25 75 75 32 18 00 87 75 50 00 44
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair F. T. Ley Compan D. J. Cole Mrs. Cramer Hotel Somerset Jibrana Mickba Zurich General Ac L't'd P. J. Doyle New York, New H J. H. Simpkins	Cor Supp	inpanpanplies	Jan	wary	31,	1922.		Com	· · · · · · · · · · · · · · · · · · ·		1, 1921 \$14 7 7 15 26 2 7 7 43 18 1 10 7 7 18 7	30 50 50 00 10 25 75 75 32 18 00 87 75 50 00 44 00 44
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair F. T. Ley Compan D. J. Cole Mrs. Cramer Hotel Somerset Jibrana Mickba Zurich General Ac L't'd P. J. Doyle New York, New H J. H. Simpkins L. V. Niles	Cor Supp	inpanpanplies	Jan	wary	31,	1922.		Com	· · · · · · · · · · · · · · · · · · ·		1, 1921 \$14 77 75 26 22 77 43 18 1 10 7 7 18 7 7 15 10 9 15 15 16 17 17 17 18 18 18 19 19 19 19 19 19 19 19 19 19	30 50 50 00 10 25 75 75 32 87 75 75 75 75 75 00 04 44 00 50
F. L. McLaughlin Cobb Brothers H. F. Rice A. J. Cunningham Solomon Eiseman Superintendent of Benj. Piscopo B. W. Warrington Victor M. Hall Thomas Rush Coleman Brothers B. Sinclair F. T. Ley Compan D. J. Cole Mrs. Cramer Hotel Somerset Jibrana Mickba Zurich General Ac L't'd P. J. Doyle New York, New H J. H. Simpkins	Cor Supp	inpanpanplies	Jan	wary	31,	1922.		Com	· · · · · · · · · · · · · · · · · · ·		1, 1921 \$14 7 7 75 26 22 7 7 7 43 18 1 10 7 7 18 7	30 50 50 00 10 25 75 75 32 87 75 75 75 75 75 00 04 44 00 50

Brought forward			 \$342 46
Brought forward Metropolitan Water and Sewerage Board Boston Infirmary Department George H. Abbott & Co. Mary E. Lynch			 5,869 36
Boston Infirmary Department			 50 45
George H. Abbott & Co			 27 31
Mary E. Lynch			 7 75
Mary E. Lynch Boston Co-operative Building Company .			 7 75
T. Danehy & Son			 $21 \ 00$
Boston Co-operative Building Company T. Danehy & Son Thomas Burdett Agent, United States Health Service Lucy E. Callahan Edward Cauley Humboldt Garage C. P. Rockwell, Inc M. Marks Boston Elevated Railway Company J. Friedberg			 7 75
United States Health Service			 10 60
Lucy E. Callahan			 13 24
Edward Cauley			 582
Humboldt Garage			 7 75
C. P. Rockwell, Inc			 7 75
M. Marks			 7 75
Boston Elevated Railway Company			 134 90
J. Friedberg			 5 43
H. Lesser			 11 63
J. L. Pierce			 984 64
H. H. Sylvester			 15 00
Rotty Alden Inc			 7 75
J. Todesca			 14 75
S. Rubin			 7 75
J. Todesca S. Rubin John Kelly Superintendent of Supplies			 2 50
Superintendent of Supplies			 300 00
H. E. Russell Mercantile Real Estate Trust George Y. Berry Elias Hirsch Kenney Manufacturing Company Charles Street Garage			7 75
Mercantile Real Estate Trust			 15 00
George Y. Berry			 10 93
Elias Hirsch			 8 61
Kenney Manufacturing Company			15 00
Charles Street Garage			 15 50
Charles Street Garage	•	•	 10 00
P. J. Barrett	•	•	 21 11
George V Berry		•	 44 95
George Y. Berry M. J. Kelly Samuel Sperrazzo Morse Real Estate Trust C. L. Weiner	•	•	 7 50
Samuel Sparraggo		•	 7 75
Morse Real Fetate Trust			 7 75
Morse Real Estate Trust			 24 49
C. L. Weiner	•	•	 10 00
Fred T. Ley Company Inc.	•	•	 7 75
Fred T. Ley Company, Inc	•	•	 1 95
Elias Hirsch			 16 68
Joseph Schlossberg		•	 6 05
obsepti deniossuerg	•	•	 0 00

\$8,109 86

Sewer Service.— Maintenance Expenditures, Detail, 1921-22.

Accounts.	Total Expenditures.	Labor.	Teaming.	Stock.	Contracts.	Miscellaneous.	ous.	
Automobiles (9)	\$12,248 34	\$6,962_23				Repairs Equipment Supplies. Fees	\$625 39 3,136 17 1,458 55 66 00	85,286 11
Cleaning eatch-basins	109,268 74	39,085 73	\$5,638 10	\$184 95	\$63,921 76	TransportationAdvertising.	\$423 70 14 50	438 20
(Teaning sewers	36,358 75	21,634 68	8,357 28	604 57	5,263 00	Advertising Dumping Coal City engines	\$9 00 5 00 66 22 419 00	499 22
Engines and boilers	1,001 12	199 00	11 38			Waste, etc	\$16 30 316 94 457 50	F2 062
Employed at yards	22,107 46 3,191 69	22,107 46	: : : : : :			Coal	\$1,693 68 1,498 01	3,191 69
Hardware and tools	3,117 07	125 00	29 25	:		Hose Hardware, repairs, etc	\$1,035 02 1,927 80	2,962 82
House connections	9,411 11	8,494 11	552 13	31 52		Transportation, etc	\$333 35	333 35

Sewer Service.— Maintenance Expenditures, Detail, 1921-22.— Concluded.

Stock. Contracts. Miscellaneous	Fodder \$3,595 42 Stable goods and supplies 910 65 Veterinary services 1,270 38 Repairs wagons, and har- 1,272 38 Shoeing 1,348 80 Board 2,256 24 89,541 49	134 23 Postage and printing \$354 36 Stationery and supplies. 2,313 51 Miscellaneious \$5 23 2,753 10	121 pairs boots 34 coats 38 pairs mitts 42 hats		Cas and electroty	882 11 Electricity	202 S2 Transportation 274 06 Workingmen's Compen-
laneous						\$481 2,085	
Miscel	Fodder. Stable goods and supplic Stable goods and supplic Veterinary services. Repairs wagons, and ha nesses. Shoeing Board.	Postuge and printing Stationery and supplies Miscellaneious	121 pairs boots		Gas and electricity Miscellaneous	Electricity	Repairs, etc
Contracts.			: : : : : : :				
Stock.		134 23		5,307 09		382 11	202 82
Teaming.	\$16 25	722 00		595 75	34 50	29 25	374 62
Labor.	\$8,959 30	3,122 40	19,849 04	373 28 18,590 21	145 00	2,686 50	15,903 10
Total Expenditures.	\$18,517 04	3,978 63 2,798 10	19,849 04	6,276 12 18,590 21	792 36	5,664 73	20,067 97
Ассогите.	Horses, carts, harnesses, etc	Maintenance, Stony BrookOffice expense		Stock. Teaming	Yard and locker	Back Bay Fens, gatehouses	Miscellaneous sundries
	Horses, carts,	Maintenance, Stony Office expense	Office salaries Rubber goods	Stock	Yard and lock	Back Bay Fe	Miscellaneou

2 518 12		00 16+	\$34,431 99	. 14,899-53	. \$19,532 46
\$518 12					
. Repairs at South yard					
:			\$69,184-76		\$69,184.76
746 70	759 80 536 2 3 536 2 3 536 2 3 536 2 3 536 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		\$17,143 56	9,800 21	\$7,343 35
	88 88 88 88 88 88 88 88 88 88 88 88 88		\$21,490 24		\$21,490 24
202 90	2,522 06 1,369 140 1,369 27 1,269 27 2,701 91 2,701 91 1,387 36 1,781 30 1,88 00 1,98 00 1,91 14 1,191	13,035 88	\$203,204 56	18,166 00	\$185,038 56
1,467 72	3,583 20,008 20,008 30,	491 00 13,035 88	\$345,455 11	12,865 74	\$302,589 37
Repairing department buildings	Repairing catch-basins, South Boston. List Boston. Charleston. Brighton. WestRoxbury. Dorchester. Roxbury. Roxbury. Roxbury. City Proper. City Proper. Brighton. Roxbury. Givy Proper.	Annuities. Pension roll, veterans and laborers		Less credits. S31,241 13 Stock. 9,800 21 Fleel and oil 1,372 00 Engines and boilers. 27 40 Engines and boilers.	Totals

Sewer Service.— Maintenance Expenditures, Detail, 1921-22.

Totals	Hyde Park	Summer street	Union Park street	Pumping Stations:	Main and in sewers	Moon Island	Boilers	Engines	Outside	Inside	Pumping Station, Calf Pasture:	Accounts
			reet	is:	intercepting		:	:			n, Calf	rs.
\$304,453 78	1,077 57	1,369 33	12,409 46		14,948 03	19,232 25	36,831 20	52,768 60	25,831 01	\$139,986 33		Total Expendi- tures.
\$304,453 78 \$150,093 47 \$3,896 89 \$4,091 13	870 06	729 06	6,237 03		10,639 00	15,255 04	29,384 80	33,402 68		\$33,695 78		Labor.
\$3,896 89		:	:			:	1,000 00	:	19,880 02 \$2,896 89	:		Con- tracts.
\$4,091 13		:	273 00		3,604 63	5 00			\$208 50			Teaming.
\$354 59			:		:	6 37			:	\$348 22		Waste.
\$354 59 \$96,596 61 \$2,964 83			536-63			1,031 77				\$95,028 21		Coal and Wood.
\$2,964 83	:				:	45 01		2,881 32	8 50	\$30 00		Oil and Gasolene.
\$356 54	:	:	:		:	:	:	\$356 54	:	:		Packing.
\$356 54 \$1,416 84		:	:			:	:	\$356 54 \$1,416 84	:			Valves.
\$865 30 \$1	6 00	:	:			\$859 30	:			:		Trans- porta- tion.
\$1,270 42						511 41	:		\$759 01	:		Stable.
1,270 42 \$42,010 82 \$536 34	201 51	640 27	5,362 80		704 40	1,457 67	6,446 40	14,711 22	1,602 43 \$475 66	\$10,884 12		Pipe Fittings and Miscel- laneous.
\$536-34						60 68	4	90	\$475 66			Autos.

Recapitulation. - Maintenance Detail, 1921-22.

	Improved Sewerage.	Outside Improved Sewerage.	Totals.
Labor	\$150,093 47	\$203,204 56	\$353,298 03
Contracts	3,896 89	69,184 76	73,081 65
Teaming, hired and city	4,091 13	21,490 24	25,581 37
Waste	354 59	16 30	370 89
Fuel	96,596 61	1,759 90	98,356 51
Oil	2,964 83	1,498 01	4,462 84
Packing	356 54		356 54
Valves	1,416 84		1,416 84
Transportation, etc	865 30	1,031 11	1,896 41
Horses, etc	1,270 42	9,541 49	10,811 91
Towing	400 00		400 00
Pipe fittings and miscellaneous	41,218 13		41,218 13
Telephone	392 69	357 01	749 70
Automobiles, repairs and supplies	536 34	5,286 11	5,822 45
Stock and miscellaneous supplies		32,085 62	32,085 62
	\$304,453 78	\$345,455 11	\$64 9,908 89
CREDITS.			
Outside Improved Sewerage.			
Miscellaneous \$14,899 53			
Labor			
Stock		42,865 74	42,865 74
	\$304,453 78	\$302,589 37	\$607,043 15

SUPPLIES, PUMPING STATION, CALF PASTURE.

- 3,213 pounds waste, $9\frac{1}{2}$ cents to 16 cents.
- $360\frac{3}{8}$ pounds packing, 40 cents to \$1.80.
- $3,050\frac{1}{2}$ gallons engine oil, .477 cents to .565 cents.
 - 1,023 gallons cylinder oil, 72 cents to 88 cents.
 - 25 gallons lard oil, \$1.10 per gallon.
 - 810 pounds grease, $19\frac{1}{2}$ cents.
 - 400 gallons kerosene, 13 cents to 19 cents.
 - 858 gallons turbine oil, .504 cents to .621 cents.

FUEL ENTIRE SERVICE.

$10.291\frac{410}{2240}$ tor	ns bituminous coal			\$95,028	21
	s anthracite coal			3.289	34

Coal at Pumping Station, Calf Pasture.

			PAID IN	1921-22.
DATE.	Contractor.	Tons.	Per Ton.	Total.
1921.				
Jan. 9	John Donahue. Stevedoring			\$549 60
Jan. 15	John Donahue. Stevedoring			809 60
Jan. 8	New England Coal and Coke Company,	6872210	\$9 25 * 30	6,150 73
Jan. 10	New England Coal and Coke Company,	5201700	$\left\{\begin{array}{cc}9&25*&20\end{array}\right.$	4,710 04
Jan. 12	New England Coal and Coke Company,	4,452 60		
April 7	Castner, Curran & Bullitt, Inc	8,475 29		
April 11	Castner, Curran & Bullitt, Inc	7,111 70		
May 12	Castner, Curran & Bullitt, Inc	781 2240	{ 9 32 * 265	7,075 55
June 22	Castner, Curran & Bullitt, Inc	7882210	{ 9 32 * 121	7,252 31
July 25	Castner, Curran & Bullitt, Inc	9251978	{ 9 32 * 006	8,622 40
Aug. 10	Castner, Curran & Bullitt, Inc	9411888	{ 9 32 * 281	8,513 28
Sept. 2	Castner, Curran & Bullitt, Inc	$923\frac{670}{2240}$	$\left\{\begin{array}{cc} 9 & 32 \\ * & 229 \end{array}\right.$	8,393 71
Sept. 27	Castner, Curran & Bullitt, Inc	8311118	$\left\{\begin{array}{cc} 9 & 32 \\ * & 279 \end{array}\right.$	7,518 77
Oct. 25	Castner, Curran & Bullitt, Inc	981 380	{ 9 32 * 263	8,886 37
Nov. 9	Castner, Curran & Bullitt, Inc	72112218	8 32 8 307	6,506 26
	Totals	10,291		\$95,028 21

Catch-Basins Cleaned by Contract, 1921-22.

Average Total Cost to City per Basin, Including Drop In lets.	\$10 107	9 35	10 476	10 12	10 46	8 394	7 724	8 668	89 9					
Total Cost of Total Cost of	\$1,536 52	178 32	1,480 08	122 72	852 12	868 71	278 04	804 92	1,385 07	\$7,506 50	,000 64 ,736 70 14 50 422 90	174 74	3.98. 2.31.	!
Average Cubic Yards per Basin.	4.31	4.46	4.55	4.7	4.31	2.94	2.97	3.32	3.59		85 * 102 *	\$68,174	r basin, oved, \$	
Total Drop Inlets Cleaned.	7		21	çı.	C1	กัก	63	19	30)	101			oved pe rial rem	
Total Basins Cleaned.	1,552	201	1,598	101	109	365	347	632	{ 954 373	7,196			erial reme ard mater	
Contractor Received by Districts.	\$14,191_23	1,728 92	15,481 05	919 81	5,486 56	6,140 88	2,425 17	4,838 08	7,788 64	\$59,000 64	oost: Contractors. Inspection. Advertising. Miscellancous.		Average cubic yards material removed per basin, 3:193. Average cost per cubic yard material removed, \$2:31.	
Cubic Yards Exea- vated by Contractor	6,757.53	96.906	7,371.93	484.11	2,612 65	(1,098.95) (1,357.39)	1,040.97	2,159 86	$\{3,406,53\}$ $\{1,522,99\}$	28,722.87	Total cost: Con Insp Adv Adv Mise		Average cul Average cos	tion.
Price per Cubic Lard.	\$2 10	1 90	2 10	1 90	2 10	2 50	2 33	2 24	1 58	_				al inspec
Start and Finish of Work.	$\begin{vmatrix} 14, & 1921 \\ 14, & 1921 \end{vmatrix}$	$30,\ 1921 \} \\ 19,\ 1921 \}$	$\frac{14,\ 1921}{24,\ 1921} $	30, 1921\ 19, 1921\	1, 1921) 23, 1921 <i>)</i>	1, 1921 13, 1921	$\frac{17,\ 1921}{22,\ 1921}$	7, 1921) 2, 1921)	$\frac{9, 1921}{24, 1921}$					* Includes \$1,230.20 general inspection.
E.S.	Feb. Sept.	(Nov. (Dec.	Feb. (Sept.	Nov. Dec.	∫Feb. ∫June	∫Feb. ∖Aug.	(May July	(Feb.	(Feb.		101			les \$1,2
Contractor.	Thomas D. Russo	Michael II. Loonie	Thomas D. Russo	Michael H. Loonie	Michael II. Loonie	Michael H. Loonic	D. Vozella Company	D. Vozella Company	Thomas P. McMorrow				Total eubic yards material removed, 28,722.87. Average cost per basin, including drop inlets, 39,114.	* Includ
Въянст.	1. City proper		2. Back Bay, South End and Roxbury.		3. South Boston	4. Charlestown and East Boston.	5. Brighton	6. West Roxbury	7 Dorchester and Hyde Park		Total cateh-basins cleaned. Total drop inlets cleaned		Total cubic yards ma Average cost per basi	

Sewerage Works.

Expenditures February 1, 1921, to January 31, 1922.

Accounts.	Labor.	Teaming.	Materials.	Miscella- ncous.	Paid to Contractors.	Totals.
Engineers'salaries	\$87,218 91					\$87.218 91
Engineers' expense	2,507 83	\$429 91	\$314 96	\$7,880 43		11,133 13
Pumping stations.	815 00		335 30	2,867 30	896,325 59	100,343 19
Sundries	2,256 21		6,471 38	226 14		8,953 73
Land-taking and court executions				00 009		00 009
New manholes, entire city	6,910 60	1,284 01	4,672 34	138 37	586 53	13,591 85
New catch-basins, South Boston	1,414 69	267 25	933 37	109 73		2,725 04
New catch-basins, East Boston	357 20	143 00	08 929			1,177 00
New catch-basins, Charlestown			:			
New catch-basins, Brighton	3,590 72	247 88	1,849 64	14 70	356 65	6,359 59
New eatch-basins, West Roxbury	5,113 36	88 643	3,528 88	566 04		9,758 16
New catch-basins, Dorchester	1,334 31	274 64	1,363 80	25 00	268 04	3,265 79
New catch-basins, Hyde Park						:
New catch-basins, Roxbury	1,673 20	304 00	981 72			2,958 92
New catch-basins, city proper	3,886 10	774 76	1,933 97	327 36		6,922 19
Sewers built in entire eity	71,584 86	2,276 14	29,770 58	4,911 72	610,587 47	719,130 77
Totals	\$188,662 99	\$7,151 47	\$52,832 74	\$17,366 79	\$708,124 28 \$974,138 27	8974, 138 27

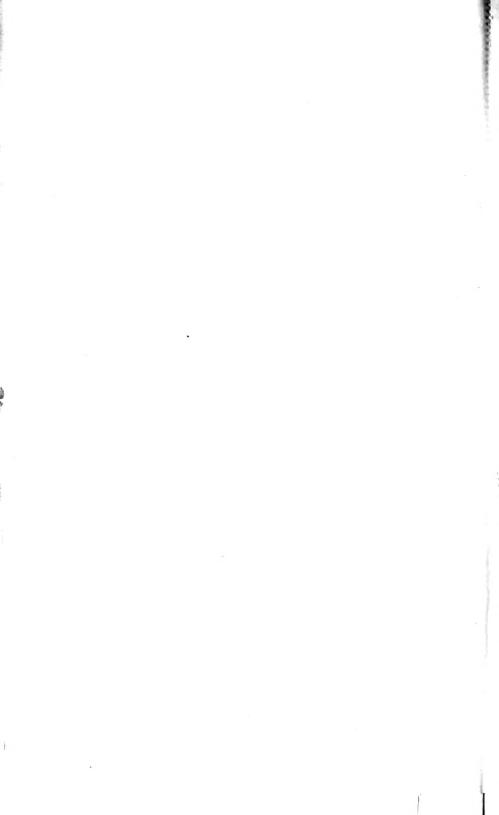
MIT AND ADMINISTRATES TO HELD IN THAT I A BOOK LECTURE INTER-SEMELY OF SERVICE CHICK

PIPE AND MANOMEN SEMERS FOLL BY CONTRACT BY DISTRICTS

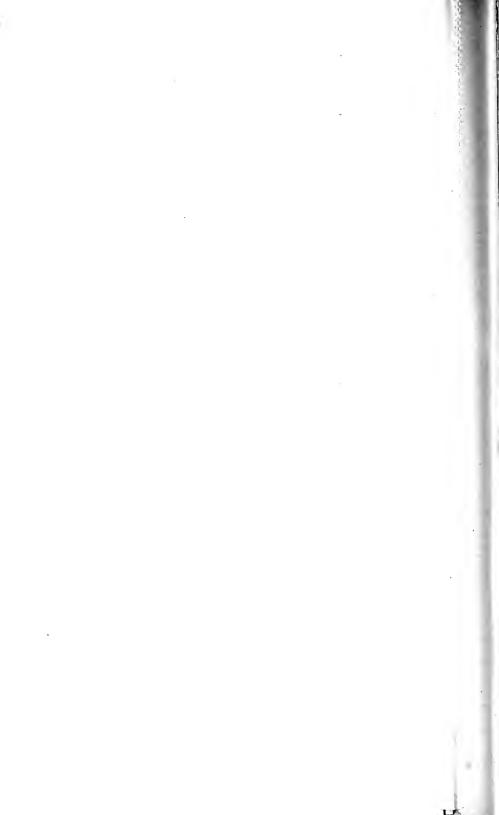
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SEWERAGE WORKS LOAN EXPENDITURES FOR 1921-22.

South Boston.		
Alger street, from Dorchester avenue to about 540 feet westerly	\$2,172	65
about 350 feet northwesterly D street, from Claffin street to Fargo street and	12,666	31
outlet in Fargo street, from D street to about 30 feet northwesterly	14,549	90
Second street, and East Second street, from Farragut road to O street	10,662	66
	\$40,051	52
Built 2,388.10 linear feet, 13 manholes, 17 catch-bas	ins.	
East Boston.		
Murray court, from Orleans street to end of court, Lubec street outlet in private land, between Cot-	\$259	41
tage street and existing conduit Porter street, from Cottage street to Geneva	28,576	71
street, and Cottage street, from Porter street to Gove street	8,869	47
	\$37,705	59
Built 650.31 linear feet, 8 manholes, 1 tide gate chan Built 280 linear feet, open ditch.	ıber.	
Charlestown.		
Stark street, from Roland street to Cambridge		
street	\$1,656	58
street	3,058	90
	\$4,715	48
Built 848.27 linear feet, 12 manholes, 4 catch-bas	sins.	

Brighton.

BRIGHTON.	
Cambridge street, from Hano street to Witton street	\$127 45
Chestnut Hill avenue, from Cleveland circle to Commonwealth avenue, and Glenville avenue, from Allston street to Greylock road Larch street, from South Crescent circuit to Kenrick street	744 12
Brayton road, from Kenrick street to Crescent avenue South Crescent circuit, from Crescent avenue to Regent street, and South Crescent circuit and private land, from Larch street to Regent street,	972 08
Market street, from Lothrop street to Washington street	1,347 51
Cushman road, and Cushman road, from Glencoe street to Dustin street	2,228 62
outlet to Commonwealth avenue Private land (outlet for Algonquin road, Newton),	$524\ 44$
from Lake street to Newton line	784 53
road	5,144 76
bridge street, and Imrie road, from Cambridge street to Playground	2,732 93
Parker avenue, and Parker avenue, from North– Harvard street to Sorrento street	1,560 29
Cleveland circle Allston Heights, from Cambridge street to Pidge-	7,230 74
mont street	1,019 16
river	2,832 37
feet northerly	71 57
	\$27,320 57
Built 2,498.88 linear feet, 22 manholes, 17 catch-bas	ins.
West Roxbury.	
Stony brook conduit section No. 10 Hastings street from Centre street to Montview	\$63,432 94
street	258 81
from Canterbury branch of Stony brook to brook, from Forest Hills Cemetery	448 88
Carried forward	\$64,140 63

$Brought\ forward\ .\ .\ .\ .\ .\ .$	\$64,140	63
Saville and Wren streets, from Park street to	" ,	
Oriole street and Board of Survey street No.		
664 from Wren street to Emmons road	32,004	25
South street, Lesher street, and private land and		
Archdale road.	1,116	33
Catch-basins and minor drains in various streets	2 410	
in Boston	5,418	73
Castleton, street, from Jamaicaway to South Hunt-		
ington avenue and Zamora street, from Castle-	1.450	O.C
ton street to about 415 feet southerly Williams street and Forest Hills street, from	1,452	UO
about 220 feet southeast of Plainfield street		
about 30 feet south of Williams street	4,540	76
Centre street, from South street to Spring street,	2,414	79
Chilton road, from Addington road to Weld	2,111	• 0
street and outlet in private land	2,481	69
Anawan avenue and Allenwood street, from Beech	-,	•
street to Pelton street	2,872	80
Washington street from Corinth street to Auburn	,	
street	6,194	76
Catch-basins, manholes and minor drains in East		
Boston, Brighton and West Roxbury	3,722	87
Roslindale branch of Stony Brook, private land		
from Firth road to Murray Hill road, Firth		
road from Florence street to about 370 feet	51,534	30
north, private land from Firth road to Lyndall		
street		
	16.069	70
avenue	16,962	10
chester, Brighton, West Roxbury and Hyde		
Park	11,744	90
Bellevue street, from Howitt road to Robin street,	9,898	
Sturges road, from Lagrange street to Bellevue	0,000	
street	650	16
Metcalf street from Dudley avenue to Haskell		
road, Corey street from Corey street to Park	9 791	90
street, and Hastings street from Corey street to	3,731	00
Centre street		
Alaric street from Centre street to about 250 feet		
westerly	1,420	43
Arborway from Forest Hills street to Morton		
street and Morton street from Forest Hills	0.000	0.4
street to a point 800 feet east of Morton road,	2,239	
Wren street from Saville street to Robin street. Eldridge street from existing sewer to Dale street,	$\begin{array}{c} 96 \\ 495 \end{array}$	
Endringe street from existing sewer to Date street,	490	O4
	\$995 133	70

\$225,133 70

Dorchester.

Tenean street and private land 250 feet north of	
Fulton street	\$269 92
Itasca street, from Oakland street to about 1,182 feet northwesterly	2,145 37
Kennebec street and outlet in private land and	2,140 07
Ruskin road	$381 \ 58$
Private land and Banfield avenue, from Delhi street to West Selden street	1 499 17
Private land, from Delhi street to about 176 feet	1,422 17
southeasterly	867 15
Catch-basins, manholes and surface drains in	0.00 0.0
Boston	368 09
city proper	210 40
Fox Point road, from Savin Hill avenue to about	
134 feet southeasterly and easterly Boutwell street, from 75 feet west of Queen street	27 15
to about 282 feet west, and Train street, from	
Boutwell street to about 256 feet north	3,729 38
Whitten street, from about 350 feet west of	7.040.10
Adams street to Dorchester avenue Oakwood avenue, from Capen street to about	7,249 19
180 feet northerly, and Payne street, from Dor-	
chester intercepting sewer to about 107 feet	1 100 00
westerly	1,196 98
street and Minot street, from existing concrete	
conduit in Henderson road to about 510 feet	
easterly	23,347 43
Ruxton road, from Rugby road to Ridge road . Elmhurst street, from Southern avenue to Norfolk	1,426 01
street	1,323 54
Freeland street, from Standard street to about	
350 feet northerly	
feet northwesterly, Hyde Park	2,340 42
Sefton street, from Roanoke road to about 100	,
feet northeasterly, Hyde Park	
Armandine street, from about 140 feet west of Washington street, and private land 150 feet	
northerly	1,132 72
Private land and land of Consumptives' Hospital,	4 071 50
from Manchester street to West Selden street, Balsam street, from Irma street to Blue Hill ave-	4,871 59
nue	2,755 11
Ashton street, from Arbutus street to Balsam	2,100 11
street \ldots	
Carried forward	\$55,064 20

Public Works Department.	4	9 9
Brought jorward	\$55,064 636	
Harmon street, from Randolph road to about 200 feet northwesterly	1,420	88
feet northeasterly East Cottage street, from Pleasant street to Dawes street Passageway at 891 Adams street	1,491 614	
Rockland avenue, from Grampian way to Caspian way	20	00
Morton street, from West Selden street to Summit street 90 feet southeast of Fairmount street,	50	00
	\$59,297	41
Built 6,685.57 linear feet, 43 manholes, 21 catchbasins.		
Hyde Park.		
Loring street, from Foster street to Tyler street and outlet in Glenwood avenue River street, from Hyde Park avenue to Central	\$120	79
avenue	197	35
120 feet northwesterly	57	48
street	9,089	02
avenue	5,648	98
street	5,177	10
private land between Neponset river and Water street	5,038	24
Edgewater drive, from Burmah street to about 130 feet southwesterly	4,153	54
River street, from Church street to Ellis street, Private land, from River street to about 250 feet easterly	3,322	37
Hyde Park avenue, from about 250 feet southwest of New Allen street to about 550 feet southwest	878	82
Wood avenue, from existing sewer 62 feet northeast of Parker street to about 250 feet northeast,	1,011	83
Carried forward	\$34,695	52

Dunight formand	\$34,695	59
Vanderbilt avenue, from Blake street to about 100 feet northwesterly	112	
Irving street, from Hamilton street to Hyde Park avenue	618	
avenue		
	\$35,426	$\frac{92}{}$
Built 5,013.95 linear feet, 31 manholes, 5 catch-basi	ns.	
CITY PROPER.		
Unity court, from Unity street to about 154 feet		0.0
westerly and northerly	\$132	66
dence street	711	20
Bridge court and North Anderson street, from Parkman street to Cambridge street.	900	40
Catch-basins, manholes and minor drains in	900	40
Boston	746	81
Kneeland street, from Atlantic avenue to Washington street	1,036	14
Chatham street, from Commercial street to Mer-	•	
chants row	15,135	61
street to 155 feet northwest	1,261	96
Catch-basins, manholes, and minor drains in	16 560	16
Boston	16,562	10
street	6,212	30
Catch-basins, manholes and minor drains in Boston	1,701	60
Mt. Vernon street, from Charles street to Charles		
River Embankment	2,714	51
Clinton street	1,914	90
	\$49,030	25
Built 2,664.07 linear feet, 11 manholes, 108 catch-b	asins.	
Roxbury.		
Amory avenue, from Stony brook conduit to		
Amory street	\$689	05
Grosvenor place, from Cliff street to about 266 feet south and southwesterly	321	71
Public Alley No. 909, from Hemenway street to	021	
Massachusetts avenue	533	34
Cummington street, from Commonwealth avenue to Boston & Albany Railroad	376	46
Carried forward	\$1,920	56

Pu	JBLI	ic V	Vor	KS	Dep.	ARTI	MENT.	501
Brought forw Brookline avenue	ard	T						. \$1,920 56
road (Muddy r Harrison avenue	iver, irc	om , 601)111 T	seace iduit Enci	on si t) tie e	reet 1 troot	to At	iauboi Palmo	. 203,446 57
street Townsend street,								7 400 07
feet northweste Alleghany street,								
street Bickford street, i	, IIC)III			street	. 10	rarke	r . 3,348 88
Centre street								$632 \ 45$
Chesterton street Allerton street Peabody street, f	-							0.001.01
street								. 1,080 01
Tilton street, from feet northwester	erly							4.487 46
Alley No. 816, fr 275 feet souther street	easte	erly	and	outl	et in S	St. E	Botolpl	h . 5.183-11
Alley No. 817, fro 370 feet wester	m (ly	Jain	sbor •	oug.	h stre ·	et to	abou	t . 160 00
								\$240,449 33
Build 5,409.73 lin	ıear	feet	t, 30	mai	nhole	s, 8 c	eatch-l	basins.
Sev	VER	AGE	Wo	RKS	Loai	v. 19	921-22	2.
Engineers' salarie Amount charged	es, g	ene	ral					. \$87,218 91 . 31,757 00
								\$118,975 91
	\mathbf{E}	NGI	NEEF	RING	Exp	ENSE	3.	
Labor								. \$2,507 83
Teaming								. 429 91
Borings								2,569 66
Borings Transportation .								. 2,283 58
Supplies, etc								. 3,342 15
								\$11,133 13
								\$11,100 10
P_{U}	MPI	NG S	STAT	ION	Cons	STRU	CTION	
Advertising .								. \$7 20
Labor								815 00
Contracts				•	•		•	. 96,325 59
Professional servi	ices	•	•	•	•	•	•	. 2,860 10
Materials					•			. 335 30
								\$100,343 19

Sewerage Works.— New Manholes.

Госатюм.	Built by	Number.	Labor.	Labor. Teaming. Materials.	Materials.	Totals.	Begun.	Finished.
Florence street, West Roxbury	Day labor	-	\$373 40	\$50.25	\$100 74	\$524 39	Feb. 15	Feb. 26
Folsom street Dorchester	Day labor	-	58 57	16 25	75 41	150 23	Mar. 7	Mar. 10
Medford street, Charlestown	Day labor	1	310 90	39 00	176 66	526 56	Mar. 8	Mar. 28
Commerce street, eity proper	Day labor	_	171 46	52 00	107 15	330 61	Mar. 11	Mar. 17
East First street, South Boston	Day labor		182 80	35 75	103 56	322 11	Mar. 18	Mar. 24
Washburn avenue, East Boston	Day labor	-	183 07	55 25	192 39	430 71	April 5	April 14
Salem street, eity proper.	Day labor	-	88 611	41 00	91 49	252 37	April 8	April 12
Cedar street, Roxbury	Day labor	21	368 83	83 25	203 10	655 18	April 13	April 21
Plorence street, eity proper	Day labor	-	135 57	47 13	#g 76	275 04	April 22	April 27
N street, South Boston	Day labor	-	220 09	42 25	94 53	356 87	April 27	May 5
Waltham street, rear of, city proper	Day labor	63	203 60	94 50	133 S5	431 95	April 29	May 5
Parker street, Roxbury	Day labor	-	04 06	53 63	334 95	478 98	April 25	April 28
Staniford street, eity proper	Day labor	-	178 20	54 00	80 95	313 12	May 10	May 21
Norman street, eity proper	Day labor	21	238 60	00 29	196 23	501 83	May 4	May 21
Hudson street, Charlestown	Day labor	_	111 60	32 50	97 63	241 73	May 31	June 8
Kingsbury street, Roxbury	Day labor	-	134 46	45 00	101 36	277 82	May 27	June 2
Grenville place, city proper	Day labor	-	147 70	32 50	51 00	231 20	July 25	Aug. 1
Warren street, Charlestown	Day labor	1	181 90	45 50	113 07	340 47	June 25	July 7
Berkeley street, city proper	Day labor	-1	290 00	91 00	129 57	510 57	July 1	July 14
Harrison avenue, eity proper	Day labor	1	74 50	48 75	11 85	201 10	July 19	July 28

Sewerage Works.—New Manholes.—Concluded.

LOCATION.	Built by	Number.	Labor.	Teaming.	Materials.	Totals.	Began.	Finished.
Beacon street, Brighton	Day labor	1	\$95 17	\$25 25	\$57.40	\$177 82	May 31	June 2
Homes avenue, Dorchester	Day labor	-	53 20	19 50	57 70	130 40	Aug. 22	Aug. 25
Church street, city proper	Day labor	-	173 80	45 50	93 70	313 00	Aug. 26	Sept. 1
Sawyer street, Roxbury	Day labor	1	81 20	34 12	59 56	174 88	Sept. 6	Sept. 10
Linwood place, Charlestown	Contract	¢1	32 60		+652 53	685 13	Sept. 1	Sept. 15
Harvard street, Dorchester	Day labor	-	83 71	11 38	30 80	125 89	Sept. 26	Oct. 8
Astor street, Roxbury	Day labor	-	295 88	28 00	50 70	374 58	Nov. 7	Nov. 14
Cumberland street, Roxbury	Day labor	-	217 97	23 50	57 50	298 97	Nov. 15	Nov. 22
Shepton street, Dorchester	Day labor	1	152 40	34 25	42 62	229 27	Nov. 15	Nov. 19
State street, city propers	Day labor	1	208 21	39 00	43 91	291 12	Oct. 31	Nov. 5
Lucas street, city proper*	Day labor	ı	11 761		77 25	274 36	Dec. 16	Dec. 22
Cabot street, Roxbury*	Day labor	1	191 40		42 44	233 84	Dec. 9	Dec. 19
Dudley street, Roxbury*	Day labor	1	26 00		65 45	121 45	Dec. 19	Dec. 22
Centre street, West Roxbury*	Day labor	1	150 00		75 00	225 00	Nov. 1	Nov. 14
Elm Hill avenue, Roxbury*	Day labor	_	287 42		41 74	329 16	Jan. 6, 1922	Jan. 17, 1922
Holborn Park, Roxbury	Day labor	_	80 00		8 46	88 46	88 46 Jan. 6, 1922 Jan. 17, 1922	Jan. 17, 1922
Tremont and Dedham streets, city‡	Day labor	1	699 20		1,263 50	1,962 70	1,962 70 Nov. 7, 1921	Dec. 8, 1921
Miscellancous			79 80		109 62	189 42		
Paid in 1921 manholes built in 1920					13 56	13 56		
Totals	\$6,910 60		\$6,910 60	\$1,284 01	\$5,397 24	\$13,591 85		
* Cost not complete.	† Paid to Contractor \$586.53	stor \$586,53,			1 Regulator.		& Lamp hole.	

SEWERAGE WORK LOAN.

New Catch-basins Paid for February 1, 1921, to January 31, 1922. (Contract and Day Labor.)

Satch- tebuilt.	O 19dimuN H aniand	1		က	4			8	9											
latch- Built.) rədmuN I eniend	:	1	:	:	-		C1	:	-	-	Ç1	6	-		14		7	1	
	Location.	I and Second streets	East Broadway	Summer street	H street	I and Fifth streets	Connections.		Chelsea street	Commonwealth avenue	Melton road	Brentwood street	North Beacon street *	Woodstock avenue *	Connections.			Green street	West Roxbury Parkway	
Total	Expendi- tures.	\$336 75	472 92	468 65	791 26	545 46	110 00	\$2,725 04	1,177 00	333 15	548 37	594 35	4,185 68	545 28	152 76	\$6,359 59	\$228 S4	2,482 80	646 69	
:	Materials and Teaming.	\$174 99	294 41	318 65	308 75	163 35	50 20	\$1,310 35	819 80	210 05	00 09	262 76	1,641 11	136 84	101 46	\$2,412 22		\$1,595 29	215 20	
Burr in 1921.	Contractor.										\$356 65					\$356 65	:			*Cort not complete.
ш.	Labor.	\$161.76	178 51	150 00	482 51	382 11	59 80	\$1,414 69	357 20	123 10	131 72	331 59	2,544 57	408 44	51 30	\$3,590 72	:	\$887 51	431 49	*Cort n
BUILT IN 1920.	Materials, etc.																\$228 84	:	:	
	Built by	Day labor		Day labor	Day labor	Contract	Day labor	Day labor	Day labor	Day labor		Day labor	Day labor	Day labor						
	Dispaice.	New catch-basins, South Boston	New eatch-basins, South Boston	New catch-basins, South Boston	New eatch-basins, South Boston	New eatch-basins, South Boston	New catch-basins, South Boston		New catch-basins, East Boston	New catch-basins, Brighton	New eatch-basins, Brighton	New catch-basins, Brighton	New eatch-basins, Brighton	New eatch-basins, Brighton	New eatch-basins, Brighton		New catch-basins, West Roxbury	New catch-basins, West Roxbury	New catch-basins, West Roxbury	

Sewerage Works Loan.— Concluded.

Catch- Rebuilt.	rodmuN snised																			
Catch- Built.	rədmuX snisad	-	-	67	1	က	-	Ç)		18		_	က	_	61	_	61	-		Ξ
	Location.	Metropolitan avenue	Louder's lane	Orehard street	McBride street	South street	Center street	Grove street *	Connections.			Adams street	Park street	Denny street	Richfield street	Judson street	Sydney street	Babson street *	Connections.	
Total	Expendi- tures.	\$501 43	973 47	786 13	463 41	1,672 14	628 51	1,226 04	148 70	\$9,758 16	25 20	301 49	833 37	299 77	906 37	216 85	390 61	154 95	137 18	\$3,265 79
	Materials and Teaming.	\$193 48	298 05	336 09	231 91	754 20	299 16	343 88	148 70	\$4,415 96		174 20	551 35	181 80	258 93	100 05	289 24	14 80	67 87	\$1,638 24
Винт и 1921	Contractor.														\$268 04			:		\$268 04
13.	Labor.	\$307 95	675 42	150 04	231 50	617 94	329 35	882 16		\$5,113 36		127 29	282 02	117 97	379 40	116 80	101 37	140 15	69 31	\$1,334 31
BULT 1N 1920.	Materials, etc.		:	:					:	\$228 84	25 20				:	:	:	:	:	\$25 20
	Built by	Day labor		Day labor																
	District.	New catch-basins, West Roxbury	New eatch-basins, West Roxbury	New catch-basins, West Roxbury	New eatch-basins, West Roxbury	New catch-basins, West Roxbury		New catch-basins, Dorchester												

1			5		9		1	73	₹*	က	Çĩ	61	1			-	-	ı		ç3		81	4
:	-1	-	:		61		:	:	:	:	:		:	:	7	:		:	_	:		21	67
\$211 70 Pilgrim road	Huntington avenue	Ashley street	Columbus avenue	Connections.			122 Commercial street	Boylston place	South and North Market streets.	West Newton street	Richmond street	Commercial street and Atlantic avenue.	Harrison avenue	95 Washington street	Camden and Tremont streets	56 Commerce street	Clark and Hanover streets,	34 Nashua street	Commonwealth avenue	Stuart street *	Connections.		
\$211 70	451 24	291 80	1,622 37	381 81	\$2,958 92	\$463 82	158 53	378 17	1,299 09	365 50	315 00	633 59	170 56	274 70	292 95	321 35	276 50	96 297	392 02	640 77	671 6S	\$6,922 19	\$33,166 69
\$133 85	136 35	174 60	771 17	69 75	\$1,285 72		\$72 02	197 37	568 71	235 30	184 80	104 52	88 85	117 70	177 95	257 75	151 70	09 96	126 85	111 70	S0 45	\$2,572.27	\$14,454 56 833,166 69
																		:					\$624 69
\$77 85	314 89	117 20	851 20	312 06	\$1,673 20		\$86.51	180 80	730 38	130 20	130 20	529 07	81 71	157 00	115 00	09 89	124 30	171 36	265 17	529 07	591 23	\$3,886 10	\$17,369 58
:						\$463 82			:			:			:							\$463 82	\$717 86
Day labor		Day labor	Day labor	Day labor	Day labor	Day labor	Day labor	Day labor	Day labor	Day labor	Day labor	Day labor	Day labor	Day labor	Day labor	Day labor	Day labor						
New catch-basins, Roxbury		New catch-basins, city proper	New catch-basins, city proper	New catch-basins, city proper	New catch-basins, city proper	New catch-basins, city proper	New catch-basins, city proper	New catch-basins, city proper	New catch-basins, city proper	New catch-basins, city proper	New catch-basins, city proper	New catch-basins, city proper	New catch-basins, city proper	New catch-basins, city proper		Grand totals							

* Cost not complete.

New Catch-basins Paid for February 1, 1921, to January 31, 1922 (Included in Other Sewer Construction).

				The state of the s				
			Ħ	Expenditures.				
Distract.	Built by	Contractor.	Materials, etc.	Labor.	Materials and Teaming.	Totals.	Location.	Number.
South Boston	Contract	\$1,881 00	\$972 45			\$2,853 45	D street	10
South Boston	Contract	640 00			:	640 00	Farragut road.*	7
Charlestown	Contract	112 33	100 58		:	212 91	Stark street	-
Charlestown	Contract	421 69	133 97	:	:	555 66	Chelsea street	ಣ
Brighton	Contract	406 87	300 74		:	107 61	Melton road	ಣ
Brighton	Contract	289 76	436 50	:	:	1,226 26	Saunders and Imric streets	5
Brighton	Day labor			\$2,664 48	\$1,748 60	4,413 08	Cleveland circle	6
West Roxbury	Contract	288 04	75 43		:	363 47	Williams street	_
West Roxbury	Contract	4,955 33	463 40	:	:	5,418 73	Catch-basins and minor drainst	4
West Roxbury	Contract	560 34	301 11		:	861 45	Anawan avenue	4
West Roxbury	Contract	508 22	279 92		:	788 14	Chilton road	3
West Roxbury	Day labor			2,400 00	1,430 62	3,830 62	Washington street	6
West Roxbury	Contract	1,883 14	1,212 73	:	:	3,095 87	Catch-basins, manholes and minor drains.†	11
West Roxbury	Contract	6,912 55	3,832 35	:	:	10,744 90	Catch-basins, manholes and minor drains.†	20
West Roxbury	Contract	1,315 66	1,088 44	:	:	2,404 10	Bellevue street	16
West Roxbury	Contract	569 21	428 00		:	997 21	Metcalf street	23
West Roxbury	Contract	527 00		:	:	527 00	Arborway and Morton street.*	6
Dorchester	Contract	707 40	601 97		:	1,309 37	Boutwell street	9
Dorchester	Contract	1,003 54	796 70		:	1,800 24	Whitten street	œ
Dorchester	Contract	205 85	178 59		:	384 44	Ruxton road	-23

Dorchester	Contract	184 00	84 76			268 76	268 76 Armandine street	-
Dorchester	Contract	320 00	302 00		:	622 00	Balsam street	4
Hyde Park	Contract	378 30	149 50		:	527 80	Water street	ກ
Hyde Park	Contract	204 72	156 50			361 22	River street	63
Roxbury	Contract	152 18	77 28			229 46	Harrison avenue	-
Roxbury	Contract	435 87	220 67	:	:	656 54	Townsend street	c)
Roxbury	Contract	459 46	280 00			739 46	Chesterton street	4
Roxbury	Contract	212 55	159 16	:		371 71	Tilton street	_
City proper	Contract	1,454 58	710 50	:	:	2,165 08	Chatham street	2
City proper	Contract	11,381 50	5,180 66		:	16,562 16	16,562 16 Catch-basins, manholes and minor drains.*	12
City proper	Day labor		:	1,026 72	520 02	1,546 74	Charles street	00
City proper	Contract	1,213 80	487 80			1,701 60	Catch-basins, manholes and minor drains.*	55
		\$40,084 89	\$40,084 89 \$19,011 71 \$6,091 20	\$6,091.20	\$3,699 24	\$68,887 04		292
			* Cost not complete.	complete.				

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Recapitulation.		_:	
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	9 catch-basins built	42 catch-basins rebuilt) 292 catch-basins built included in other sewer construction	
	₩.	್ಧ	
		C.1	

\$33,166 69 68,887 04	\$102,053 73	\$1,864 0	1,166 2	2,868 0	8,947 5	713 0	613 0	4,961 0	14,688 S	\$35,821 66
49 catch-basins built 42 catch-basins rebuilt 42 catch-basins built included in other sewer construction		Distributed as follows: South Boston, 8 catch-basins.	Sast Boston, 6 catch-basins	Srighton, 9 catch-basins.	Nest Roxbury, 44 catch-basins	Oorchester, 3 catch-basins	lyde Park, 1 catch-basin.	Roxbury, 18 cutch-basins.	Outproper, 47 catch-basins	

Old Harbor Improvement.

Expenditures February 1, 1921, to January 31, 1922.

ACCOUNTS.	Labor.	Teaming.	Materials.	Miscellaneous. Paid to Contractors.	Paid to Contractors.	Totals.
Sewer built	\$720 52	\$720 52	\$106 44	\$5 52	\$44,253 11	\$45,085 59
K street, from 155 feet south of Columbia road to a point about 424 feet southerly N street, from 90 feet south of Columbia road to a point about 302 feet southeasterly . Built 6.31 linear feet.	eet south c 24 feet sou set south o 02 feet sou	of Columbia therly . f Columbia theasterly	~~	\$45,085 59		

Cost of Maintaining all Horses in the Sewer Service from February 1, 1921, to January 31, 1922.

ITEMS.	Total Cost.	28 Horses Average Cost per day.
Labor	\$13,119 30	\$1 283
Fodder	6,825 06	667
Shocing	1,711 20	167
Veterinary services	266 97	026
Stable goods	137 30	013
Totals	\$22,059 83	\$2 156

SEWER SERVICE.

Summary of Sewer Construction for Twelve Months Ending January 31, 1922.

District.	Built by the City by Contract or Day Labor.	Built by Private Parties.	Tot : l Length.	Built.
	Linear Feet.	Linear Feet.	Linear Feet.	Miles.
City proper	1,230.07		1,230.07	0.233
Roxbury	5,961.32		5,961.32	1.129
South Boston	1,994.91	 	1,994.91	0.378
East Boston	650.31		650.31	0.123
Charlestown	776.27	142.30	918.57	0.174
Brighton	1,921.88		1,921.88	0.364
West Roxbury	13,215.68	77.00	13,292.68	2.518
Dorchester	7,276.55	59.88	7,336.43	1.389
Hyde Park	4,088.49		4,088.49	0.774
Totals	37,115.48	279.18	37,394.66	7.082

Net Increase in Length of Sewers Between February 1, 1921, and January 31, 1922.

District.	Length of Sewers Built During the Twelve Months Ended January 31, 1922.	Length of Sewers Re- built or Abandoned During the Twelve Months Ended January 31, 1922.	Net increa Twelve Moi January i	nths Ended
	Linear Feet.	Linear Feet.	Linear Feet.	Miles.
City proper	1,230.07	1,014.75	215.32	0.041
Roxbury	5,961.32	2,943.87	3,017.45	0.571
South Boston	1,994.91	130.00	1,864.91	0.353
East Boston	650.31	122.00	528.31	0.100
Charlestown	918.57	142.30	776.27	0.147
Brighton	1,921.88	264.70	1,657.18	0.314
West Roxbury	13,292.68	1,261.41	12,031.27	2.279
Dorchester	7,336.43		7,336.43	1.389
Hyde Park	4,088.49		4,088.49	0.774
Totals	37,394.66	5,879.03	31,515,63	5.968
Total	Length of Sewe	rs.		Miles.
Common sewers and surface drai	ns previous to	January 31, 19	921	946.07
Net increase of common sewers 1921 and January 31, 1922	and surface	drains, between	February 1,	5.97
Total common sewers and surfac	e drains to Jar	nuary 31, 1922.		952.04
Intercepting sewers connecting value 1922	with Metropol	itan system to	Janua.y 31,	* 6.81
Boston main drainage intercepting	ng sewers to Ja	inuary 31, 1922	·	* 24.12
Grand total of common and	intercepting s	ewers to Janua	ry 31, 1922	982.97
Total mileage of streets contain	ning sewerage	works		582.62

^{*} No additions during 1921.

Summary of Sewer Construction for Five Years Previous to February 1. 1922.

	1 0010	ary 1. 172			
	1917.	1918.	1919.	1920.	1921.
Built by the city by contract	Linear Feet.	Linear Feet.	Linear Feet.	Linear Feet.	L:near Feet.
or day labor	80,828.46	31,764.84	57,105.04	42,541.12	37,115.48
Private parties	4,155.90	5,406.00	387.20	12.00	279.18
Totals	84,984.36	37,170.84	57,492.24	42,553.12	37,394.66

Schedule of Catch=basins in Charge of Sewer Service, February 1, 1922.

		Basin Data fo d January 31,		CITY IN C	OR WHOLE 'HARGE OF SERVICE.
Distric т.	Cateh- Basins Built or Rebuilt.	Number Abandoned or Removed.	Net Increase.	Previous Report to February 1, 1921.	Grand Total to February 1, 1922.
City proper	106	93	13	3,189	3,202
Roxbury	35	3	3 2	2,793	2,825
South Boston	35	16	19	1,232	1,251
East Boston	6		6	877	883
Charlestown	4	2	2	751	753
Brighton	40	6	34	1,245	*1,279
West Roxbury	103	5	98	2,022	†2,120
Dorehester	27	1	26	3,470	3,496
Hyde Park	4	1	3	361	364
Totais	360	127	233	15,940	16,173

* Exelusive of 236 in Commonwealth avenue. † Exelusive of 58 in Washington street, between La Grange street and the Dedham line (State Highway).

Equipment of Pumping Stations.

Calf Pasture Pumping Station.

One vertical beam and fly-wheel, triple expansion engine of the Leavitt type; cylinders, 18½ inches, 33 inches and $52\frac{3}{4}$ inches in diameter; two single-acting pump plungers, each 60 inches diameter and 120-inch stroke; capacity 72,000,000 gallons in twenty-four hours with 40-foot lift.

Two vertical beam and fly-wheel compound engines of the Leavitt type; cylinders $25\frac{1}{2}$ inches and 52 inches in diameter; two single-acting pump plungers, each 48 inches in diameter and 108-inch stroke; capacity of each engine 35,000,000 gallons in twenty-four hours with 40-foot lift.

Two steam turbine driven centrifugal pumps of the DeLaval type, with a capacity of 56,000,000 gallons each in twenty-four hours with a 40-foot lift.

Total horse power pumping engines, 2,050.

Total horse power station, including auxiliaries, 2,200.

Summer Street Pumping Station (Automatic).

Two submerged centrifugal pumps of the single stage, single bottom suction vertical type. Capacity of each pump, 3,000 gallons per minute against 13-foot static

head when running 675 revolutions per minute.

Motor for each pump is a 20-brake horse power, 220 volts, 60-cycle, 3-phase vertical constant speed induction motor of the squirrel cage type.

Union Park Street Pumping Station (Automatic).

One 24-inch vertical submerged centrifugal pump, capacity 15,000 gallons per minute against static head of $13\frac{1}{2}$ feet when running 233 revolutions per minute.

Three 36-inch vertical submerged centrifugal pumps, capacity of each 30,000 gallons per minute against a static head of $13\frac{1}{2}$ feet when running 194 revolutions

per minute.

Motor for 24-inch pump is one 75-brake horse power constant speed, squirrel cage, 3-phase alternating current induction motor; synchronous speed of 240 revolutions per minute, full load speed of 233 revolutions per minute with alternating 3-phase, 60-cycle current at 440 volts.

Motors for the three 36-inch pumps are each 150-brake horse power, with synchronous speed of 200 revolutions per minute, full load speed of 194 revolutions per minute; same description of motor and of current as for the 75-brake horse power motor.

Hyde Park Pumping Station (Automatic).

One 3-B Priestman Ejector, capacity of 100 gallons per minute against a static head of $12\frac{1}{2}$ feet, with two gates, one inlet flap valve, one outlet check valve and one operating valve.

One Worthington $7\frac{1}{2}$ horse power motor.

COST OF PUMPING.

Average cost per million foot gallons for pumping: Volume (39,831.686 million gallons) by (times) lift 39.7 feet =1,581,317.943 million foot gallons for the year.

Labor cost included in total is based upon the follow-

ing force of forty-seven men:

One superintendent, one clerk, one electrician, one carpenter, one blacksmith, two machinists, four laborers and four engineers' watches, each including nine men.

Cost of city water not included.

ITEMS.	Cost.		Cest per Million Foot Gallons.
Labor	\$76,460	01	\$0 04835
Coal	81,957	30	05183
Oils and waste	3,296	02	00208
Rubber valve and packing	1,616	67	00102
Miscellaneous renewals and supplies	30,669	68	01939
Totals	\$ 193,999	68	\$0 12267
Labor at screens	\$6,908	00	\$0 00437

Table of Approximate Quantities, Lifts and Duties at Calf Pasture Pumping Station.

Молтн.	Total Pumpage. Gallons.	Average per Day. Gallons.	Minimum Day. Gallons.	Məximum Day. Gəllons.	Average Lift. Feet.	Average Duty, Foot- Pounds per 100 Pounds of Coal.
1921.						
February	3,302,847,080	117,948,110	88,328,088	131,674,656	40.4	66,300,000
$_{\rm March}$	3,642,225,144	117,491,134	97,836,120	124,761,860	40.4	67,000,000
April	3,557,745,710	118,591,524	107,104,788	125,535,276	40.4	68,600,000
May	3,840,253,976	123,879,161	114,152,868	128,900,880	46.4	71,600,000
June	3,558,052,124	118,601,737	112,408,252	125,360,992	40.4	69,400,000
July	3,778,021,821	118,645,865	112,723,236	128,907,780	40.4	67,500,000
August	3,724,578,318	120,147,688	120,147,688	126,618,900	10.4	68,600,000
September	3,285,419,490	109,513,983	83,821,860	125,814,208	40.4	67,600,000
October	2,080,650,551	86,472,598	59,636,354	121,900,292	39.7	75,300,000
November	2,896,666,327	96,555,544	66,885,769	127,832,638	39 5	74,100,060
December	2,636,877,657	\$5,060,570	71,743,428	109,219,970	37.6	81,400,000
1922.						
January	2,928,348,046	94,462,840	80,484,466	109,781,471	36.9	84,700,000
Totals	39,831,686,244	1,307,576,754	1,115,273,917	1,486,308,923	476.9	862,100,000
Averages	109,127,908	108,947,564	92,939,493	123,859,077	39.7	71,800,000

Recapitulation.

Total gallons pumped February 1, 1921 to February 1, 1922	39,831,686,244
1921 to February 1, 1922	109,127,908
Average dynamic head	
Number of foot gallons per 100 pounds coal . Foot pounds per 100 pounds coal at 8.369	8,509,577
pounds per gallon	71,217,650 $18,582,847$

Amount of Refuse Removed from Filth Hoist Chamber from February 1,1921, to January 31, 1922, Inclusive.

Month.	Number Cheeses.*	Weight. (Pounds).
1921.		
February	168	87,128
March	140	30,940
April	130	28,730
May	84	18,564
June	126	27,846
July	28	6,133
August	91	20,111
September	181	40,001
October	241	53,261
November	181	40,001
December	218	48,178
1922.		
January	203	44,863
Totals	1,791	†395,811

 $[\]ast$ Cheeses—Average, 221 pounds.

^{† 197+1811-2000} tons.

SANITARY SERVICE.

FINANCIAL STATEMENT.

FINA	NCL	AL K	TAT.	EME	NT.			
Appropriation, maintenant Transferred from the	appr	opria				et	\$1,507,256	
Cleaning and Oiling S	servi	ce		•		٠	30,791	35
						-	\$1,538,0 4 7	98
Expended during the year	יו פע					·	1,536,633	
Expended during the ye	м	•	•	•	•	•	1,000,000	2.
Unexpended balance tra	nsfe	rred	to cit	y tr	easur	у,	\$1,414	71
	T	NCO	ME					
	_			_				
Statement showing								
with the City Colle	${f ecto}$	r fr	om	Feb	ruar	y	1, 1921,	to
January 31, 1922, an	id ci	redi	ted t	o ge	enera	l r	evenue.	
3 , , ,								
Tickets and bills for th	e re	mov	al of	ash	es and	1		
waste							\$97,072	02
Sale of manure .			•		•	•	3,390	
Labor and materials	•					•	23	
Old material sold .	•						100	
Forfeiture on bid .	•			•	•	•	500	
rolleitule on bid .	•	•	•	•	•	•	500	00
m . 1							0101000	
Total							\$101,086	57
1		C				. т		
Amount Paid into				REA	SURY	ĭ 1	JURING T	$_{ m HE}$
		YE	AR.					
Removal of ashes and v	vaste	٠.	_				\$97,054	10
Sale of manure .				·	÷		3,390	
Sale of old material	•					•	139	
Labor and materials	•	•		•	•	•	74	_
Forfeiture on bid .				•	•		500	
T) (1		•	•	•	•	•	32	
Retund	•	•	•	•	•		52	
							\$101,191	20
							Ψ101,131	20

Total Cost of House Dirt, Waste, Rubbish and Ho	use Offal, 1921.
Salaries of division engineer, supervisor and medical inspector	\$8,141 56
Office supplies and expenses, printing, stationery, etc	5,880 26 1,048,581 76
House offal account	382,821 05
Retired veterans' pensions 2,506 04	
Retired laborers' pensions 12,966 64	15,772 68
Total	\$1,461,197 31
Construction Repairs and Horseshoei Account.	NG
Expended for labor \$80,289 51 Expended for stock 25,216 67	
And the state of t	105,506 18
	\$1,566,703 49
Work Done for Other Service	CES.
Paving Service	
Sewer Service	
Street Cleaning Service 16,187 51	
Water Service 4,255 92	
Bridge Service	30,070 22
Total	\$1,536,633 27

Items of Expenditure for the Year 1921-22.

			P					
Salary, division	engineer (in part).						\$1,667 67
Salary, supervise	or (in part	t)						1,748 12
Salary, medical i	nspector	(in part)						1,083 33
Salary, chief vet	erinary (i	n part)						887 50
Salaries, foremen								20,823 28 $2,316$ 63
Salaries, yard clo Labor, collecting	and disn	osing of l	nouse dir	t and ash	es			448,897 68
Labor, collecting	and disp	osing of	waste and	l rubbish				32,305 05
Labor, collecting	and disp	osing of l	house offa	al <i></i>				211,328 17
Labor and stock	at stables	s and yar	ds					67,315 91
Hired teams on a	shes							$\begin{array}{c} 120,401 & 87 \\ 4,322 & 30 \end{array}$
Hired teams on of Contractor on as Hyde Park	shes, Eas	t Boston,	Brighto	n, West	Roxbury,	Dorche	ster and	245,336 13
Contractor on o	ffal, East	Boston,	Brighton	ı, West I	Roxbury,	Dorche	ster and	90,455 33
Holidays, pay all	lowed	<i></i>	<i></i>					70,797 41
Vacations, pay a	llowed							25,633 36
Grain								18,044 95
Hay and straw				i				25,586 24
Medical attendar Veterinary service								$\begin{array}{c} 12,950 & 17 \\ 773 & 29 \end{array}$
Outside wheelwri								13,734 47
Labor, stock and								62,807 49
Repairs to stable	s and she	ds						4,58599
Fuel								5,494 95
Gas								$\begin{array}{c} 546 \ 80 \\ 3,916 \ 90 \end{array}$
Electric light and Printing, station	i power erv. office	supplies	etc.	• • • • • • •				5,611 18
Automobile expe	nse	supplies						5,262 49
								,
	l		1	1	1		1	
Automobiles.	South Boston. Electric Truck.	Brighton. Ford.	West Roxbury. Ford.	Dorches- ter. Ford.	Roxbury. Ford.	South End Ford.	Total.	
Cost		\$ 553 00	\$553 00				\$1,106 00	
Supplies		49 86	102 04	\$189 02	\$283 44	\$ 187 52	821 88	
Repairs	\$917 00	6 67	25 57	231 55	217 37	12 22	1,410 38	
repans	\$11 GC	0 01	20 07	201 0	21. 0.	12 22	1,110 00	
Tires and tubes			12 81		27 25	25 41	78 54	
Gasolene			74 00	239 24	213 35	155 35	681 94	
Chauffeurs	1,026 00						1,026 00	
Storage	61 25	76 50					137 75	
Totals	\$2,004 25	\$ 696 03	\$ 767 42	\$672 88	\$741 41	\$380 50	\$5,262 49	
Telephone tolls a								770 93
Annuities								300 00
Retired veterans'	pensions	• • • • • • • • •						12,966 64
Retired laborers' Horses								2,506 04 $14,060 00$
Rent								1,020 00
Tolls and fares								378 00
Total							-	31,536,633 27

Construction and Repair Shops, 1921-22.

For work done and materials furnished for other services and for the Sanitary Service the different shops received and expended the following amounts:

	STOCK AN	D LABOR.	T-4-1
	Other Services.	Sanitary.	Total.
Wheelwright	\$5,324 26	\$15,530 16	\$20,854 42
Blacksmith	8,762 51	15,780 73	24,543 24
Paint	6,760 00	10,167 54	16,927 54
Harness South End	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	8,651 73 4,830 99	13,112 68 7,193 40
Horseshoeing — South End Horseshoeing — West End	1,800 00	3,882 50	5,682 50
Horseshoeing — Roxbury	600 00	1,429 39	2,029 39
Totals, stock and labor	\$30,070 22	\$60,273 04	\$90,343 26
E		22 004 04	
Foremen		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
Clerk		$\frac{920}{1,494}$ $\frac{45}{45}$	
Stockkeeper		1,040 00	
Express teamster		5,066 94	
Allowed time, holidays .			
Allowed time, vacations		$2,622 00 \\ 899 17$	
Medical attendance			
Electric power		606 44	
Auto truck	• •	419 45	\$15,162 92
Total cost, maintenan			\$105,506 18
Income from other ser	vices		30,070 22
Net cost of shops .			\$75,435 96
ivet cost of shops .			Ψ.0,100 00
Detailed Accounts of Service During Year	Ending Jar	nuary 31, 1	ne Sanitary 1922, by the
Payment of Bills and			
For repair and construction	n work .		\$25,511 44
For horseshoeing For hay, straw, grain and	 d board and	d care of	5,029 28
horses			1,040 00
For feeders, stablemen and	watchmen		1,040 00
For furnishing of prison va	ns and print	ing .	34 66
Ü .	-	-	*\$32,655 35
			, ,

^{*}Includes bill paid by the County of Suffolk for stock and labor, \$2,500.84; Lighting Service, \$9.79; Penal Institutions, \$74.50.

Horseshoeing by Services.

Kinds and Styles.	Sanitary Service.	Street Cleaning and Oiling Service.	Paving Service.	Sewer Service.	Water Service.	County of Suffolk.	Totals
Plain shoes	4,537	3,332	440	294	415	127	9,175
Bar shoes	311	198	23	121	41		694
Leathers	4,086	3,065	189	147	202	57	7,746
Resets	749	667	49	37	64	49	1,615
Pads	147	408	99	96	46	76	872
Springs			2				2

Cost of Horseshoeing.

	Division Shops.	Outside Shops.
Stock	\$3,749 38	\$6,746-66
Labor	5.063 50	
Totals	\$8,812 88	\$6,746 66

Amount Expended for the Collection and Disposal of Ashes, Garbage, Waste and Rubbish by Districts, 1921-22.	Collecti	on and Dis	sposal of /	Ashes, Garl	oage, Was	te and Ru	bbish by	Districts, 1	921–22.
£	Popula-	ASHES.	ES.	GARBAGE.	AGE.	Waste and Rubbish	Вувызн.	J. F. F.	Total Cost
DISTRICTS.	tion.	Cost.	Per Capita.	Cost.	Per Capita.	Cost.	Per Capita.	lotal Cost.	per Capita.
1. South Boston	71,006	\$71,904 53	\$1.0115	\$24,588 52	\$0.3463	\$882 00	\$0.0125	\$97,375 05	\$1.37030
2. East Boston	64,232	36,271 21	0.5651	11,629 03	0.1811			47,900 24	0.7462
3. Charlestown	34,914	42,065 09	1.2050	10,579 29	0.3030			52,644 38	1.5080
4. Brighton	42,890	58,527 36	1.3660	15,443 98	0.3601			73,971 34	1.7261
5. West Roxbury	59,364	38,096 o4	0.6415	17,755 47	0.2991	252 00	0 0042	56,104 01	0.9448
6. Dorchester	157,749	146,160 35	0.9206	69,332 38	0.4394			215,492 73	1.3600
7. Roxbury	125,465	188,226 42	1:5023	63,804 27	0.5085	9,116 60	0 0613	261,147 29	2.0721
8 and 9. South End and Back Bay,	114,732	200,644 37	1.7488	65,470 24	0.5706	35,665 69	0.2108	301,780 30	2.5302
10. North and West Ends	72,817	124,419 47	1.7089	25,033 01	0.3437	8,045 16	0.1105	157,497 64	2.1621
11. Hyde Park	18,901	9,061 41	0.4847	4,402 69	0.2858			13,464 10	0.7705
Disposal station		76,461 37		74,782 17		2,782 19		154,025 73	
Totals	762,070	\$991,838 12		\$382,821 05		\$56,743 64		\$1,431,402 81	

Force Employed on House Dirt and Ashes January 31, 1922.

CITY FORCE.	Number.	Hired Teams.	East Boston.	Brighton.	West Roxbury.	Dorchester.	Hyde Park.	Total.
Inspectors. Teamsters. Helpers. Dumpers.	$\begin{array}{c} 29 \\ 96 \\ 106 \\ 2 \end{array}$	17 34	5 14	7 18	4 9	29 64		$ \begin{array}{c} 29 \\ 160 \\ 248 \\ 2 \end{array} $
Totals	233	51	19	25	13	93	5	439

Force Employed on House Offal January 31, 1922.

CITY FORCE.	Number.	Hired Teams.	East Boston.	Brighton.	West Roxbury.	Dorchester.	Hyde Park.	Total.
Inspectors	10 43 47	2 4	$\begin{vmatrix} \dots \\ 3 \\ 6 \end{vmatrix}$	4 9	3 7	12 19	$egin{array}{c} 1 \ 2 \end{array}$	10 68 94
Totals	100	6	9	13	10	31	3	172

Force Employed on Waste and Rubbish January 31, 1922.

CITY FORCE.	Number.
Inspectors Teamsters Helpers.	$\begin{array}{c} 1 \\ 13 \\ 26 \end{array}$
Total	40

Amount of House Dirt and Ashes Removed.

YEARS.	Loads.	Cubic Yards.	Tons.
1917	231,999	796,633	324,384
1918	217,823	776,645	316,482
1919	228,095	836,730	340,960
1920	288,646	891,042	363,097
1921	264,244	967,955	394,435

Amount of House Offal Removed.

Years.	Loads.	Cubic Yards.	Tons
1917	40,729	102,449	60,744
	39,494	96,317	56,836
	38,054	92,042	54,300
	40,881	100,865	59,507
	47,711	118,237	69,182

Amount of Waste and Rubbish Removed.

	Lo	ADS.	Cubic	
YEARS.	Paper Carts.	Market Wagons.	Yards,	Tons.
1917	3,242 3,186 3,263 3,794 3,295	4,888 4,823 3,739 2,717 2,306	68,047 64,221 54,429 47,949 52,224	8,014 7,546 6,396 5,641 6,144

Number of Loads of Material Collected from February 1, 1916, to January 26, 1922.

YEARS.	Ashes.	Offal.	Rubbish.	Total Loads.	Tons.
1917 1918 1919 1920	231,999 217,823 228,095 238,646 264,244	40,729 39,494 38,034 49,881 47,711	9,073 8,009 7,002 6,511 6,786	281,801 265,326 273,151 286,038 318,741	393,132 380,864 401,656 428,245 469,961

Capacity of the Carts and Wagons Used by Sanitary Service, 1921.

2,038 4,075	$67.5 \\ 135$
1000	
4,075	135
1,400	146
2,200	219
	54
	94
8,150	270
	2,200 2,260 4,130

Collected by Contract.

		Ası	HES.			OF	AL.	
Districts.	Double Loads.	Auto Loads.	Cubic Yards.	Tons.	Double Loads.	Auto.	Cubic Yards.	Tons.
East Boston	11,657	284	62,484	25,462	1,040		4,591	2,708
Brighton	13,830		62,400	25,428	2,421	51	9,181	5,416
West Roxbury	8,407		37,342	15,216	1,511	43	6,428	2,899
Dorchester	26,471	5,842	187,287	76,319	8,480		28,746	16,800
Hyde Park	4,039		19,520	7,954	1,063		3,098	1,817
Totals	64,404	6,126	369,033	150,379	14,515	94	52,044	29,640

Summary.

Material.	Cubic Yards.	Tons.
Ashes	369,033	150,379
Offal	52,044	29,640

Loads and Tonnage of Material Collected, by Districts.

	Cubic Yards.			967,955			118,237			52,224	1,138,416	
	Total Loads.		264,244			47,711			6,786		318,741	
	.snoT lgtoT (.sbnnoT 000,2)			394,435			69,182			6,144		192,694
	II. Hyde Park.		4,039	7,954		1,063	1,817		:		5,102	9,771
	10. North and West Ends.		43,359	54,638		090'9	7,150		1,104	1,214	50,523	63,002
	8-9. South End and Back Bay.		59,954	75,566		12,349	14,171		4,531	3,997	608'92	93,734
	7. Roxbury.		43,916	64,840		8,472	10,702		986	797	53,374	76,339
	6. Dorchester.		32,313	76,319		8,480	16,800				40,793	93,119
	5. West Roxbury.		13,534	22,071		2,158	3,791		:		15,692	25,862
	4. Brighton.		13,830	25,428		2,472	5,416		:		16,302	30,844
	3. Charlestown		16,382	16,689		1,565	1,846		:		17,947	18,535
-	5. East Boston.		11,941	25,462		1,040	2,708		:	:	12,981	28,170
	I. South Boston.		25,001	25,468		4,052	4,781		165	136	29,218	30,385
	CLASS OF REFUSE.	House dirt and ashes:	Loads	Tons	Offal:	Loads	Tons	Waste and rubbish:	Loads	Tons	(Loads	Totals (Tong

Final Disposition of all Material, in Loads and Tons (2,000 Pounds), Collection by the Sanitary Service, February 1, 1921, to January 26, 1922.

Class of Refuse.	Boston Development and Sanitary Company.	Collected and Disposed of by Contractors.	Total Number of Loads Disposed of.	Total Tons.
House dirt and ashes	226,027 320,375	38,217 74,060	264,244	394,435
Offal	41,582 56,342	6,129 12,840	47,711	69,182
Waste and rubbish	6,786 6,144		6,786	6,144
$ ext{Totals} egin{cases} ext{Loads} & & & & & & & & & & & & & & & & & & &$	274,395 382,861	44,346 86,900	318,741	469,761

Note. First item, loads. Second item, tons.

Cost of Collection and Disposal of Refuse by Contract in the City of Boston for the Year 1921-22.

Contract		Tons,	E	Cost per Ton	Cos	Cost by Districts.	.g.	
Districts and Population.	CHARACTER OF REFUSE.	(2,000 lbs.)	Tons.	by Districts; Collection and Disposal.	Cost.	Total Cost.	Total Cost per Capita.	Where Disposed of.
2(64,232)	(Mixed refusc, principally ashes (no kitchen wastes)	25,462		\$1 4242	\$36,271 21			Inland dumps.
	Garbage, principally kitchen wastes	2,708	00 170	4 2923	11,629 03	6.17	1.	ж
	(Mixad refuse principally ashos (no kitchen		28,170	Av. \$1 7004		#7 006'J#@	7CF7 08	ŧ
4(42,890)		25,428	:	\$2 3013	\$58,527 36		:	Inland dumps.
	Garbage, principally kitchen wastes	5,416	30.811	2 8515	15,443 98	72 071 24	0062 1	*
	(Mixed active animalization (no litely an		50,0344	Av. \$2 3981		±0 11661	0071	
(200 00)	wastes)	15,216		\$1 2343	\$18,791 07			Inland dumps.
3 (33,035)	Garbage, principally kitchen wastes	2,899	0	3 0229	8,763 55	97 521 69		*
			611,61	Av. \$1 5266		70 100,17	1500 0	
	Mixed refuse, principally ashes (no kitchen wastes)	76,319		\$1 9151	\$146,16035			
6(157,749)	6(157,749) Garbage, principally kitchen wastes	16,800		4 7221	79,332 38			
	Store refuse and paper		93 110			995 409 73	F06F 1	Boston Development and
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		61166	Av. \$2 4215			-	Sameaty Company.
11. Hyde Park	Mixed refuse, principally asnes (no kitchen wastes)	7,954	:	\$1 1355	\$9,061 41		0 7130	Inland dumps.
(106,61)	Garbage, principally kitchen wastes	1,817	0.771	2 4230	4,402 69	12 464 10		×
			2,1,1	Av. \$1 3771		01 101,61		-
316,807	Totals		180,019			\$388,383 03	\$1 2259	
	* Remove beyond city	beyond	ity limits	*Remove beyond city limits and presumably fed to swine.	fed to swine		6366 363	

Total as above \$388,383 03 Add total of day labor table (between pages 528 and 529) 1,148,250 24

Cost of Collection and Disposal of Refuse by Day Labor Force in the City of Boston for the Year ending January 31, 1922.

			C	OST IE	R TON	by Districts				Cost of	Districts.			
Districts and Pop- ulation.	Character of Reitse.	Tons (2,000 lbs.)	Total Tons.	То С	ollect.	For Disposal	Total Collection and Disposal	To Collect.	Total Cost to Collect.	For Disposal.	Total Cost of Disposal.	Total Cost of Collection and Disposal.	Total Cost per Capita, Collection, and Disposal,	WHERE DISPOSEO OF.
	Mixed refuse, principally ashes (no kitchen wastes)	25,468			83 1221	\$0 0931	\$3 2152	879,512 93		\$2,391 60				Boston Development and Sanitary Company
1 (71,006)	Garbage, principally kitchen wastes	4,751			6 4267		6 4267	30,726 16						Boston Development and Samitary, Company
	Store refuse, principally paper	136	30,388		6 - 4853		6 4853	882 00			20.001.00		111 1112.1	Boston Development and Sanitary Company
			00,000	Av. 8	\$3 6603	Av. \$0 0931	Av. \$3 7534		5111,121 00		\$2,391 60	\$113,512 69	\$1 3743	
3 (84,914)	Mixed refuse, principally ashes (no kitchen wastes).	16,689		. 8	\$3 1197		\$3 1197	52,065 09						Boston Development and Sanitary Company
3 (04,314)	Garbage, principally kitchen wastes	1,846	18,508	-	7 - 9371		7 8371	14,467 38	66.533.47			10.500.47		Boston Development and Sanitary Company
			1000	Av. 8	3 5895		Av. \$3 5895		00,002 47			66,532 47	1 5074	
	Mixed refuse principally ashes (no kitchen wastes)	71,695		. 8	§3 1550	\$0 0019	\$3 1568	\$226,197 89		\$1,334 00				Boston Development and Sanitary Company
5 (part) and 7	Garbage, principally kitchen wastes	11,594			7 - 1413		7 1413	82,796 19						Boston Development and Sanitary Company
151,494	Store refuse, principally paper	797	84.086	. 1	11 7548		11 7548	9,368 60			1 124 00	319,626 68		Boston Development and Sanitary Company
			0-2,0/01	Av. 8	3 7811	Av. \$0 0018	8 Av. 83 7879		310,005 00	1	1,554 00	319,020 08	1 2561	
	Mixed refuse, principally ashes (no kitchen wastes) .	75,566		. 8	82 8855	\$0 03434	¥ 82 9199	\$218,048 85		82,595 52				Boston Development and Sanitary Company
8 and 9 (114,732)	Garbage, principally kitchen wastes	14,171			5 1445	0 1811	5 3256	72,903 27		2,566 97				Boston Development and Sanitary Compact
	Store refuse, principally paper	3,997	93.73	:	8 9231		8 9231	35,665 69	200 017 01		F 400 40	331.780 30		Boston Development and Sanitary Company
			90,10	Av. 8	3 4844	Av. 80 0575	Av. \$3 5419		320,017 81		5,102 49	331,780 30	2 5092	
	(Mixed refuse, principally ashes (no kitchen wastes)	54,638		. 8	32 5516		\$2 5516	\$139,419 47						Buston Development and Sanitary Company
10(72,817)	Garbage, principally kitchen wastes	7,150			3 5333		3 5333	25,263 47						Boston Development and Sanitary Company
	Store refuse, principally paper	1,214	63,002		6 6269		6 6269	8,045 16						
			03,002		32 7417		Av. \$2 7417		172,728 10			172,728 10	2 1668	
*	Contract, Boston Development and Sanitary Com-										144,000 00	144,000 00		
445,262	Totals		289,742	Av. 8	3 4315	Av. \$0 5276	Av. \$3 9636		\$995,362 15		\$152,888 09	\$1,148,250 24	\$2 5788	



ASHES GARBAGE. Total Weights TOTAL WEIGHTS

1.294 0.855

21.311 | 64.540

54 635

196 946 77.710 244.056 150 559 384 435 32.101

21,046

24,599

16 689

10,529

40.155 10.38 10.000

62 Jun 17 San 162 Jun 1

187 287 (2.31) 187 287

19 520 4 949 19 520

967-955 294-244 997-955

10 90,154 11918 179 [18]

0.44

10 5 COM

a with Buston.

2 Last Best of

4 Brighton

7 Is where

11 Work Park

T tob

Sund 9 South Lo Land Red Day

10 North End and West Find

* West It above

Figure Car.

Land Course

18, 401 Contract

121,915 (56) 1,000 2,700 195

Birt 10.45

Hirol 1 (5) 1801 July 15

5.004 5,314

3.425

				COMPLETE	DESCRIPTION AND DOUGHT							1 0300000 0	WILKOR ALIGHI			
Class			1.00	Totals	DESCRIPTION AND				-			Torsta	PER CERIC YARD	GRAND		
Populate n I ster	"MBER : LODG	STREET STREET							GHAND	NUMBER OF LOADS	AVERAGE CAPACITY				AVERAGE WEIGHT TOTAL	AVERAGE WEIGHT TOTAL
						1175	HIRE CL	DEB CONTRACT	Torsie				VIET	, MRLP CONTRACT		
		NUMBER OF THE PARTY AND ADDRESS.									SINGLE LUTO DOUBLY			Number of	Number o	-i

3.421

1,501

203

5.450

16,659 1.565

22 071 401

61 800 7 674

75,994 12,349

54.6 (8) 6 (80)

25,128 25,128

76, 319 76, 319

7.951 7.951

15,216

Details of Collected Refuse in Boston for the Year Ending January 26, 1921.

										1175	HIRE	HIDER	, contra	TOTAL							TOTALS -					TTT, 1	HIRLD .	ONTRACT		1	1		_						
			lic 1 (cf.)															SINGLE	1 1020	DOUBLE									Number	ni i	1		Number o	1					
T 15 Aut					1 100	I id-	Colle	I und-	T +n+						Single :	iuto D	Double	C-1	45-1	et at .	24	1 oad-	Yards 1	?runde	Tona.					Pounc	ls. Tons	Tons		Pounds.	Tons. T	ias. L	ods Tons	Loads	Total.
	- 1	ata ande	Yurd-	Yards			8 17 34			F-rm-	T-ns	Т нь	T-n	T- 11*				h arde) ards	Yarls	hards				T	vn+	Ton-	Tona	T ×ns										
																			_																				

WASTE AND RUBBISH.

100

2,396 3,491

2,066

Wigona

CARTS

COMBINED TOTALS OF

AMERICA GARRAGE. WASTE AND

RUBBISE

17,947 19,535

16,302 30,844

15.692 25.962

40,793 93,119

797 53,374 76,339

COMBINED TOTALS

1 1 1,414 1,104 1,214 50,523 63,002

1 1	Aut	1 1/15	Luly Vani-	Yards Variety I also Y	to Poni-	Firms	Tons T to	Tens I w	Single Auto		Cubic Cubic Yards Yarls		Cube Peu Yards Peu	nds Tona Tona	Tone Tona	T-ms	Pounds	Tone To	Londs.	Pounds, Tons.	Tons. Le	eacT ake	Loads	Топя.
			5	6,500 25001 6	500 815	1073 25 168	25,468	25,168	1,052	2		5,101 4,05	2 5,104 1	,180 59 1781		1.783	13 1,100	7	79 52	2,200 1 1	57	165 136	29,218	20,185
	256			C. (8) 11-61 Fd	151			25,462 25,162		1,010		4,591 1,04	1,591		2,708	2,705							12,981	29,170

3 130 1.565 3.130

9.181 2.173 9.181

28.746 8.480 28.746

24 698 12,349 24,698

12 120 6,060 12 120

A1098 - 1.008 - 3.008

118,247 47,711 118,237

16 348 5,172 18,141 5.5 2,791

4 913

802 2.158 6.428

1.546

47.5

7 130

37,479 2,066

419

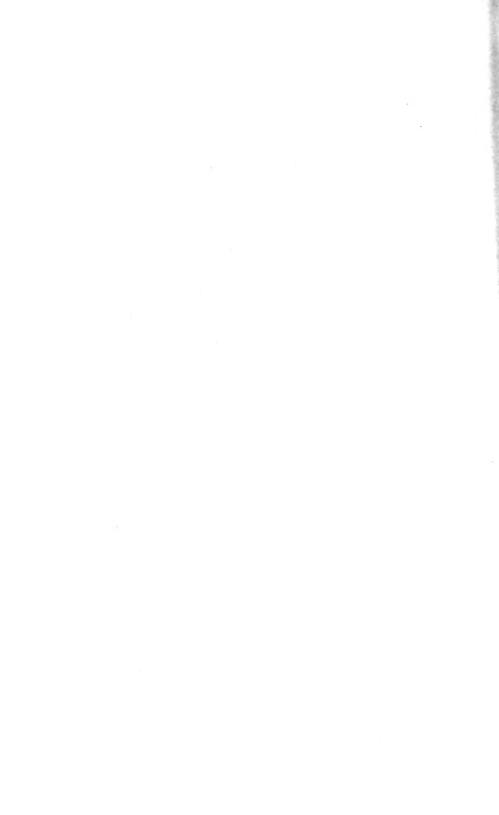
1.546

5 416 5.416

16,800 16,800

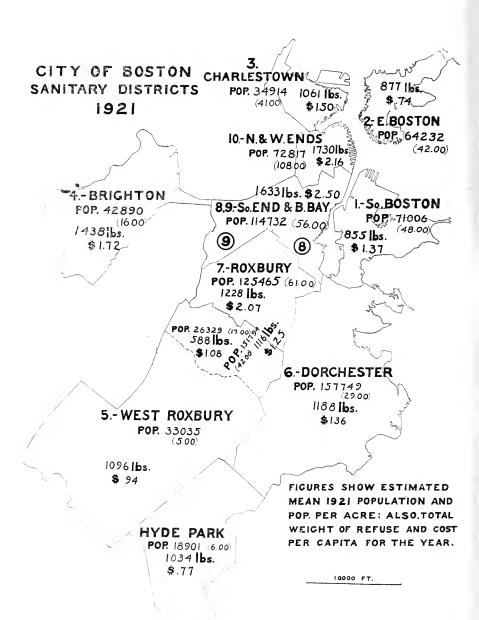
1.817 1.817

29,640 69,182



Number of Carts, Wagons and Sleds Used by the Sanitary Service for the Collection of House Dirt and Ashes, Waste and Rubbish and Garbage During the Year Ending January 31, 1922.

		Ash Carts.	ES.	J	OFFAL WAGONS.	VAGONS		Paper.		-		
Discourage		WOOD.		1180	IRON.	WOOD.	. O.		_			CONTRACTORS
	.otu/.	Single.	.9lduoQ	.elgnik	Double.	Single.	Donple.	Carts.	Wagons.	Sleds	Pungs.	
1. South Boston		2.		1-			:	-	-	19	:	
3. Charlestown	:	21	:	r:			:			<u>.</u>	:	
7. Roxbury	:	2	1-	5		10	**	23	-	33	G	
S. South End Shop		Si		1-	6		?)	?1	12	:		
10. North and West Ends	-	F.		16	-	-	က	œ	10	÷1	21	
Sand 9. South End	:	7		x			:	:	21	13	:	
Total number used by Sanitary Service	-	180	1-	95	11	t~	6	=	101	ŝ	Ξ	
IN USE BY CONTRACTORS.								-				
2. East Boston		- :	1.3			:	:	:	:	:	:	A. DeStefano & Co.
2. East Boston	<u>:</u>	- :	<u>:</u>	- :		:	373			:	:	II. Cannon.
4. Brighton	:	:	5.		:			:		:	:	Frank Shea & Co.
4. Brighton	:	- :		:	:		++				:	P. F. Donovan.
5. West Roxbury	<u>:</u> :	:	ح -				:	:		:	:	T. F. Bryan.
5. West Roxbury	- : - :	:	:				÷	:		:		P. F. Donovan.
6. Dorehester	 :	21	- Fi	:	:			:		:	:	J. P. McCabe.
6. Dorchester,		:		֓	21			:		:	:	M. II. Loonie.
11. Hyde Park	<u>:</u>	_:			:	:	21	:	:	:		M. McGinnis & Co.
H. Hyde Park		:	:1		:	:		:			:	W. B. Downey.
Totals		2 1 2	1 29	is.	器	1-	81	=	=	ŝ	=	
	_		_							_		



SEWER AND SANITARY DIVISION—STREET CLEANING AND OILING SERVICE.

ITEMS OF EXPENDITURE FOR YEAR 1921. Street Cleaning Service.

General administration		\$21,284	38
Salary of division engineer (in part),	\$1,406 67		
Salary of supervisor (in part).	1,472 88		
Salary of medical inspector	843 97		
Printing	1,335 42		
Stationery	327 98		
Telephone	515 24		
Postage	$99 \ 93$		
Transportation	$68 \ 38$		
Transportation Office items and incidentals	64 63		
Annuity, chapter 569, Acts of 1898			
— chapter 132 — 1920	$600 \ 00$		
Pensions, retired veterans	3,447 32		
Pensions, retired laborers	7,975 82		
— chapter 132 — 1920 Pensions, retired veterans Pensions, retired laborers Automobile repairs and mainte-			
nance	3,126 14		
•			
General expenses other than general a	dministra-		
tion		$145,\!999$	71
Wages of stablemen	\$45,399 48		
Wages of yardmen	5,519 00		
Wages of watchmen	$5{,}144 50$		
Wages of foremen's drivers	$659\ 00$		
Wages of yard clerks and messengers	4,166 57		
Hay and straw	26,507 07		
Grain	17,479 02		
Gas	$29 \ 62$		
Electric light	283 78		
Gas	1,723 30		
Fuel	887 08		
Horses	12,760 00		
Horses Horseshoeing Harnesses, new and repairs Wagon and carriage repairs Stable and yards, rent of	7,758 54		
Harnesses, new and repairs	5,445 02		
Wagon and carriage repairs	715 08		
Stable and yards, rent of	1,850 00		
Stable and yards, supplies	2,779 25		
Carried forward \$1	39,106 31	\$167,284	09

Brought forward Stable and yards, building repairs .	\$139,106 3,303	31 04	\$167,284 09
Care of horses	249		
Care of horses			
nance	3,341	36	
			COO CCO #1
Operating expenses .		-	603,660 51
District foremen, salaries of	\$20,476	52	
Operating expenses			
streets, crossings, snow work, patrolling, gutters, etc.		00	
patrolling, gutters, etc.	28,721	09	
Inspectors, wages of, on ashes and			
garbage	6,791	53	
Laborers, wages of, on paved streets,			
crossings, snow work, patrolling,			
gutters, etc	336,346	98	
gutters, etc			
garbage	51,284		
Hired autos flushing	34,189		
Electric car flushing	5,325	00	
Holiday and pay allowed	55,108	51	
Vacations	20,130	78	
garbage	4,858	86	
Dumps, rent of	268		
Dumps, rent of	500		
Cart repairs Water cart repairs Tools and repairs Vehicle supplies Sweeping machine repairs Push carts and barrels Hass showed a pide steel	7,698		
Water cart repairs	1,486	78	
Tools and repairs	364	33	
Vehicle supplies	628		
Sweeping machine renairs	3,895		
Push carts and harrels	839		
Hoes shovels picks etc.			
Hoes, shovels, picks, etc. Snow plows Flushing machines	100	76	
Flughing machines	661		
Push brooms, teamster brooms, etc.	3,768		
Machine brooms	4,854	00	
Machine brooms	$\frac{4,004}{557}$	23	
Sand	991	51	
reignt	$\begin{array}{c} 22 \\ 3 \end{array}$	0.0	
Sand sprinkler repairs	278	20	
Freight Sand sprinkler repairs Sand sprinkler repairs Water cart hose Sand barrels			
Water cart hose	49		
Sand barrels	168		
Refuse boxes	1,180		
Paper cart repairs	30	01	
Automobile repairs and mainte-	11.01-	70	
nance	11,215	10	
			\$770,944 60

STREET WATERING AND OILING BRANCH.

General administration .				\$1.011	75
Colors of dissision angineer (iv	·	\$260	00	\$4,011	10
Salary of division engineer (in	part),	φ200 272			
Salary of supervisor (in part)		1.001			
Salary of general foreman Telephone		1,894			
Telephone		44	-		
Carfare		1			
Advertising.			00		
Stationery		60			
Printing					
Postage		18			
Office items.		495	03		
Proportionate share of superv	visor's				
automobile		444	95		
automobile	n en-				
gineer's automobile .		132	16		
8					
General expenses other than	genei	ral admir	is-		
tration	. 5001			1,177	23
Wages of stablemen, watchmer	n and		•	1,1	
vardman	and	\$193	55		
yardmen . Hay, straw and grain Wagon and carriage repairs		220	05		
We gon and so wis go voneing		20			
Yard and stable furnishings		72			
Yard and stable turnishings		12	99		
Automobile repairs and ma	amte-	000	=0		
nance		669	99		
				100.00	00
Operating expenses				139,927	83
•		\$1,417	84		
Inspectors:					
		7,334	78		
		383			
Sanitary Service		5,282			
Sanding		87	39		
Labor:					
Sanitary Service		129	00		
Sanding		1,149	00		
Calcide		48			
Water		508	92		
Oil		763			
Holiday and allowed time		296			
Vacations		443			
Vacations	•	45,803			
Hirod outos water		24,242			
Hired autos, water Electric car sprinkler, water		5,310	00		
Hind towns onloids					
Hired teams, calcide .			00		
Road oil		36,414	70		
$Carried\ forward\ .$.		\$129,627	33	\$145,116	81

Brought forward	2,432	43 85	\$145,116 81
Electric car hydrants, established,	1.001		
repairs and maintenance	1,961		
Bicycle, new and repairs	54	35	
Sand	1,540	11	
Calcide	1,052		
Gasolene	1,128	04	
Auto oil	125	17	
Vehicle supplies	7	50	
Automobile repairs and mainte-			
nance	765	59	
Total			\$145,116 81

DISTRIBUTION OF EXPENDITURES.

Flushing streets	D	***			
Flushing streets					
Flushing streets 59,925 63 Street patrolling by teams \$35,239 54 Cleaning of subway passage 1,386 54 Street patrolling by push carts 168,863 57 Collection of refuse boxes 7,801 28 ————————————————————————————————————	Snow work on crossing and gutters,	8,480	44		
Street patrolling by teams \$35,239 54 Cleaning of subway passage 1,386 54 Street patrolling by push carts 168,863 57 Collection of refuse boxes 7,801 28 Cleaning of paved streets \$286,269 25 Cleaning of macadam streets 72,806 70 Cleaning of public alleys 1,989 23 Sanding of slippery streets 6,235 02 Work performed for Sanitary Service 92,445 71 Total expenditure, Street Cleaning Branch \$770,944 60 Oiling of public streets and ways 45,185 11 Watering of public streets and ways 94,087 97 Work performed for Sanitary Service 5,843 73				\$37,982	13
Street patrolling by teams \$35,239 54 Cleaning of subway passage 1,386 54 Street patrolling by push carts 168,863 57 Collection of refuse boxes 7,801 28 Cleaning of paved streets \$286,269 25 Cleaning of macadam streets 72,806 70 Cleaning of public alleys 1,989 23 Sanding of slippery streets 6,235 02 Work performed for Sanitary Service 92,445 71 Total expenditure, Street Cleaning Branch \$770,944 60 Oiling of public streets and ways 45,185 11 Watering of public streets and ways 94,087 97 Work performed for Sanitary Service 5,843 73	Flushing streets			59.925	63
Cleaning of subway passage 1,386 54 Street patrolling by push carts 168,863 57 Collection of refuse boxes 7,801 28 ————————————————————————————————————	Street patrolling by teams	\$35,239	54	,	
Street patrolling by push carts 168,863 57 Collection of refuse boxes 7,801 28 ————————————————————————————————————	Cleaning of subway passage				
Collection of refuse boxes 7,801 28 213,290 93 Cleaning of paved streets \$286,269 25 25 Cleaning of macadam streets 72,806 70 70 Cleaning of public alleys 1,989 23 361,065 18 Sanding of slippery streets 6,235 02 Work performed for Sanitary Service 92,445 71 Total expenditure, Street Cleaning Branch \$770,944 60 Oiling of public streets and ways 45,185 11 Watering of public streets and ways 94,087 97 Work performed for Sanitary Service 5,843 73		,			
Cleaning of paved streets \$286,269 25 Cleaning of macadam streets 72,806 70 Cleaning of public alleys 1,989 23 Sanding of slippery streets 6,235 02 Work performed for Sanitary Service 92,445 71 Total expenditure, Street Cleaning Branch \$770,944 60 Oiling of public streets and ways 45,185 11 Watering of public streets and ways 94,087 97 Work performed for Sanitary Service 5,843 73					
Cleaning of paved streets \$286,269 25 Cleaning of macadam streets 72,806 70 Cleaning of public alleys 1,989 23 Sanding of slippery streets 6,235 02 Work performed for Sanitary Service 92,445 71 Total expenditure, Street Cleaning Branch \$770,944 60 Oiling of public streets and ways 45,185 11 Watering of public streets and ways 94,087 97 Work performed for Sanitary Service 5,843 73	Collection of refuse boxes	7,801	28	212.200	0.0
Cleaning of macadam streets				213,290	93
Cleaning of public alleys	Cleaning of paved streets				
Cleaning of public alleys	Cleaning of macadam streets	72,806	70		
Sanding of slippery streets	Cleaning of public alleys				
Sanding of slippery streets	8 1			361.065	18
Work performed for Sanitary Service	Sanding of slippery streets			,	
Total expenditure, Street Cleaning Branch . \$770,944 60 Oiling of public streets and ways	Work performed for Southern Sourie		•		
Oiling of public streets and ways	work performed for bandary bervie	е		92,440	11
Oiling of public streets and ways	Total amonditum Street Class	ing Duanel		\$770 044	co
Watering of public streets and ways 94,087 97 Work performed for Sanitary Service 5,843 73	Total expenditure, Street Clean	ing Dranci	1 .	5770,944	00
Watering of public streets and ways 94,087 97 Work performed for Sanitary Service 5,843 73	Oiling of multiple stands on I make			45 105	11
Work performed for Sanitary Service 5,843–73					
\$916,061 41	Work performed for Sanitary Service	е		5,843	73
\$310,001 11	•			\$916.061	41
				\$010,001	===

Summary.

	STREET	Cleaning Bi	RANCH.	STREET OILIN	G AND WATER	ING BRANCH.
ITEMS.	1919-20.	1920-21.	1921-22.	1919-20.	1920-21.	1921-22.
Labor	\$527,877 17	\$608,491 42	\$602,839 45	\$ 20,567 53	\$ 19,887 03	\$20,730 19
Teaming	47,339 31	49,084 41	39,514 75	53,912 03	73,209 57	75,368 67
Supplies and repairs	123,602 40	139,258 22	128,590 40	47,674 82	93,666 60	49,017 95
Totals	\$ 698,818 88	\$ 796,834 05	\$770,944 60	\$122,154 38	\$186,763 20	\$145,116 81

Cost of Snow Work and Volume Removed.

D _i stricts.	Snow Crossings and Gutters.	Snow Removal.	Total Cost .	Single Loads Snow Removed.	Cubic Yards of Snow Removed.	Cost per Cubic Yards of Snow Removed.
South Boston	\$2,536 27	\$7 50 7 5	\$3,287 02	252	756	\$ 0 993
East Boston	708 48	1,775 47	2,483 95	678	2,034	872
Charlestown	661 44	702 71	1,364 15	232	696	1 009
Dorchester	839 15	166 52	1,005 67	64	192	867
Roxbury	492 24		492 24			
Uptown						
Downtown	149 22	9,812 33	9,961 55	8,943	26,829	365
Back Bay	156 05	281 80	437 85	156	468	602
North and West Ends	438 26	7,522 54	7,960 80	4,048	12,144	619
Patrol System	2,499 33	8,489 57	10,988 90	4,592	13,776	616
Totals	\$8,480 44	\$29,501 69	\$37,982 13	18,965	56,895	
Average						\$ 0 518

^{*} Includes Sundays, paid time and one half; holidays, double time. † Street Cleaning loads, 3 cubic yards each.

Snow Summary.

Items.	Cost of Inspection,	Cost of	Total Cost.	Amot of Sn Remov	OW	Cost	Cost per Cubic
	Labor and Teaming.	Charges.		Loads.	Cubic Yards.	per Load.	Yard.
Snow removal	\$22,453 03	87,048 66	\$29,501 69	18,965	56,895	\$1 555	\$0 518
Snow erossings and gutters	8,083 39	317 05	8,480 44				
Totals	\$30,536 42	\$7,365 71	\$37,982 13				

STREETS AND PALED STREETS MACADAM CUTTIERS PAVED STREETS MACADAM GUTTERS MACADAM LITTER

Clurge-

nn-1

T-amang

1 izion

238 911,18 d 13,574 491 27 577 000 5 219 408 200,470,213 \$210,233 10 \$61,068 74 \$271,301 84

Рименста

South Easton

East Boston

Charlestown

Dorchester Roal-urv

Uptown

Dountown

Back Buy

North and West Ends Totale

Averages

tipe tile had line lines

14,862,734 3,685,382

Domy ilent Cost per Cost per Cost per Thousand Inspection. Mile Thousand All Total Mile Visible of distant Virial Chinesis Labor Sauare Labor Other 30-foot Square Other Cost Cleaned Yards (r-t

4.161.71 21.236.15

2,05 - 54 9 529 49

17,878 80 09,186 78 18 851

and

Teaming

Charges |

\$50,200 21 \$16,597 49 \$72,506 70

25.005.002 \$17.219 0.0 \$0.524.00 \$2.004 15 \$15.500 \$1.0727 \$9.547 12 \$2.500 50 \$12.647 92 \$0.611 \$1.525 \$27.006 75 \$5,025 35 \$35,092 10, \$1.256 4,205, \$7.465

Roadway Yard-

820 207 81 145

Machine Sweeping of Paved Streets and Macadam Gutters.

Once Cleaned Teaming.

1 175 1 5201 33 2 055 03 10 250 36 15 284 2 804 15 780 18, 4 108 57 19 888 75

\$13.949

and

PAVED STREETS AND MACADAM GEOTERIA

Other

Charges.

3 631 25 356 71 10,064 65 35,421 96

2 933 23,555 62 5,993 99 29,549 61

\$266,442 41 880,666 23 8347,108 54

Thousand

Semare

Yards

Cleaned

11nce

2.670

PANAD STREETS MACADAM GUTTERS

PAVED STREETS AND

MACADAM GUTTERS

\$9,520

Yards Removed

2 564

5 671

3 954

5 499

Total Cubic

Yards.

Thousand

Yard

Thousand Yard Removed

Square Yards

309. \$2.682

5 1188

Cubie Yards.

1.9040



Cost of Maintaining Horses on a Basis of 365 Days per Year.

Ľŝ.		Cost per Horse per Day.	\$0 619	0641	8800	0054	0164	0003	0422	0306	1643	\$1 539
TOTALS.	178.05	Total Cost per Year.	\$40,257.28	41,698 38	597-82	355 66	1,071 98	627 44	2,748 94	1,989 30	10,690 19	\$100,036 99
nLE.		Сояt рет Иогас рет Day.	\$0 553S	6631		0021	-	005	0151	0339	1557	\$1 426
WEST STANCE	31.83	Total Cost per Year.	\$6,435 00 80	7,705 30	:	25 55	:	23 S1	176 06	393 97	1,809 75	464 \$16,569 44
ABLE.		Cost per Horse per Day.	\$0 581	6203		0028		0029	0589	0377	1571	\$1 +64
SOUTH STABLE.	70.37	Total Cost per Year.	\$14,935 78	15,934 51		73 00		152 39	1,513 80	970 17	4,036 70	\$37,616 35
IIV.		Cost per Horse per Day.	\$0 7028	6022	0137	6600		0147	9610	0177	2041	\$1 585
Кохвтич	18.10	Total Cost per Year.	84,643 75 80	3,978 93	29 06	65 91		97.24	129 89	117 56	1,349 10	794 \$10,472 99
STER.		Cost per Horse	\$0 7791	0634	0343	1900	0363	0551	1790	0309	1653	\$1 794
DORCHESTER	15.58	Total Cost per Year.	\$4,432 71	3,607 15	195 68	36 86	150 00	314 00	355 51	175 85	940 45	533 \$10,208 24
FOWN.	4	Cost per Horse	80 5021	F01-2	0351	9900		0053	0343	0331	1787	\$1 533
CHARLESTOWN.	12.24	Total Cost per Year,	\$2,244 00	309 00	157 18	29 62		21 00	153 30	148 07	198 64	\$6,863 81
STON.	∞	Cost per Horse per Day.	\$0 7571	2948	0138	8010	1345		0511	0100	1561	\$1 737
East Boston.	13.68	Total Cost per Year.	\$3,782 04	2,971 20	69 33	51 32	86 129		270 39	# 68	06 022	\$8,679 60
oston.	S	Cost per Horse per Day.	\$0 637	1002	0143	0118	0.121	0050	0252	0159	1659	\$1 622
SOUTH BOSTON.	16.25	Total Cost per Year.	\$3,784 00 80 637	4,192 29	96 ±8	70 40	250 00	16 00	1.19 96	94 30	984 65	89,626 56 81
Districts.	Average Newher of Houses Kept.	Ітемя.	, Labor	1 Hay and grain.	Fuel	Light	Rent and taxes	Yard and stable repairs	Yard and stable furnish- ings.	Veterinary services and supplies	Horseshoeing	Totals

OILING OF MACADAM STREETS.

Showing Cost of Labor, Teaming, Oil, Etc., Including Supervision.

	gards.	30-foot	luare	DATES OF OILING	F OILING		st per			Gallons
Districts.	real Area Square	Equivalent Mileage Roadwa	Area Oiled Once, So Yards.	First.	Last.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Equare Yards Covered Once.	Total Cost.	Gallons Used.	per Square Yard.
South Boston	386,293	21.94	203,971	April 12	Aug.	36	\$0 0129	\$2,637 62	23,607	.1157
East Boston	447,030	25.39	274,453	April 26	July	- 5e	0156	4,306 09	34,544	.1251
Charlestown	153,538	8.72	186,944	April 14	July	 	0128	2,401 74	1,6933	.0905
Brighton	615,046	34.94	498,800	April 12	Oet.	27	0095	4,767 77	50,142	. 1025
West Roxbury	1,259,971	71.58	476,555	April 15	Oet.	21	0103	4,934 96	51,528	.1081
Dorehester	1,728,161	98.19	811,690	May 4	Sept.	9	0103	8,428 45	94,564	.1164
Roxbury	951,663	54.07	884,933	April 4	Oct.	21	2600	8,620 82	95,064	1074
South End, Back Bay and part of Roxbury	351,349	19.96	295,128	April 12	Sept.	ତା	0171	5,064 42	43,918	
Hyde Park	338,990	19.26	342,843	May 2	Sept.	62	0117	402,324	39,197	
Totals.	6,232,041	354.09	3,975,317					\$45,185 11	449,497	
Averages	:				:	:	\$0 0113			

AREA WATERED 1921.

Showing Area Watered, Total Cost and Cost per Square Yard.

	Total	Equivalent Mileage.	DATES OF	WATE	RING.	AUTO DAY	S WORKED.	Cars	Cart	3	Cost
DISTRICTS.	Yards.	30-foot Roadway.	First.	La	st.	City.	30-foot Roadway. First. Last. City. Hired.	Sprinkler Days.			per square Yard.
South Boston	508,351	28.883	April 15	Oct.	31				1,1373	\$11,078 98	\$0 021
East Boston	214,651	12.196	April 26	Oct.	31			:	310	3,179 96	014
Charlestown	284,672	16.174	April 20	Oct.	30			:	5283	6,271 05	022
Brighton	148,240	8.422	April 15	Oct.	31				456}	5,875 17	689
West Roxbury	187,570	10.657	April 15	Oct.	31			177	540\$	7,027 40	037
Dorchester	247,295	14.05	April 15	Oct.	31				888	8,212 16	033
Roxbury	282,544	16.053	April 15	Oct,	31		:	177	792}	10,299 65	036
South End and part of Roxbury	636,710	36.125	April 15 Oct.	Oct.	31			177	626}	11,286 25	017
City Proper	597,250	33.93	April 15	Oct.	31		989			25,226 92	042
Hyde Park	107,440	6.104	April 2	2 Oct.	31				4631	5,630 43	052
Totals	3,214,723	182.654					₹686	:	5,7.133	891,087-97	i
Averages			:	:						•	\$0 020

Oil Bought During 1921.

Standard Oil Company, 449,497 gallons, \$36,414 70. Contract awarded to Standard Oil Company, \$0.081 per gallon applied.

APPENDIX E.

REPORT OF THE DIVISION ENGINEER OF THE WATER DIVISION.

February 1, 1922.

To the Commissioner of Public Works:

I respectfully submit the following report of the operations, income and expenditures of the Water

Division for the past year.

The pipe laying work done again accurately reflects the general economic conditions; 2.33 miles were laid and 7.40 miles were relaid. This work was divided as follows: Approximately 4,000 feet of pipe were laid, on account of new building construction, in extension of existing distribution system. Approximately 8,000 feet in anticipation of permanent paving, in extension of the high service supplying sprinkler systems and fire pipes, and for the improvement of the domestic service. The balance of the pipe laying, approximately 7.5 miles, consisted of relaying mains inadequate to furnish a sufficient fire supply.

Another index of the lack of development existing throughout the city for the past four years is the number

of service pipes laid each year:

In 1921, 294 services were laid.

For the past four years the average per year was 213.

For the year 1917, 645 were laid.

For the period 1912 to 1916 the average was 1,330.

It is encouraging to be able to state that a marked increase in activity, as shown by new service pipes installed, has been in evidence during the latter part of

the last year.

Two hundred and thirty linear feet of 30-inch pipe was laid in Harrison avenue on the bridge over the Boston & Albany Railroad and the New York, New Haven & Hartford Railroad connecting the two ends of the 30-inch line laid in 1916–17. The completion of this main affords a second high service supply to the city

proper and insures an adequate supply for the high service area in the event of a failure of the 42-inch main in Huntington avenue, Clarendon street, Newbury street, etc.

An innovation was made in the practice of the Water Service by the relaying of 2,500 linear feet of 24-inch pipe (laid in 1887) with 36-inch pipe, in Perkins street, West Roxbury, from Prince street to a point near the Jamaicaway. The 24-inch pipe was salvaged by burning out the joints with an oxy-acetylene torch, the average time per joint being twenty minutes. The old pipe was laid in sand and gravel and was found to be in practically perfect condition and entirely suitable for service in a new location. The total cost of the 36-inch line was \$46,356.91; the value of the 24-inch pipe removed is credited in the department accounts at \$23,374.35.

One thousand four hundred linear feet 16-inch high service pipe was laid in Dudley street easterly from Blue Hill avenue. This work is part of a contract for laying 2,400 linear feet extending from Blue Hill avenue to Magnolia street. The work was unfinished when winter set in. When completed it will greatly strengthen the high service system in that section of the city.

The larger part of the relaying done to improve the

fire protection was as follows:

In South End between Dover street and Massachusetts avenue: 3,296 linear feet 6 inches relaid with 12 inches; 2,409 linear feet 6 inches relaid with 10 inches; 1,155 linear feet 6 inches relaid with 8 inches; 374 linear feet 4 inches relaid with 6 inches.

In Roxbury: 4,837 linear feet 6 inches relaid with 12 inches.

In East Boston: 5,286 linear feet 6 inches relaid with 10 inches.

In Dorchester: 5,300 linear feet 6 inches relaid with 10 inches and 12 inches.

Relaying must constitute a part of the yearly program of work, at least until the entire system is strong enough to satisfy the reasonable demands of the Fire Department. This fact is apparent when the increase in the amount of water necessary to supply the modern motor pumping engines over that required fifty years ago, is considered.

Other improvements in the distribution system are: The section in Hyde Park between River street and the Neponset river, from the Dorchester town line westerly to Massasoit street, was greatly strengthened by laying 4,100 linear feet of 8-inch 10-inch and 12-inch pipe, affording a second feed main and abolishing a number of dead ends of small pipes which have given much trouble in the past from freezing.

Three thousand one hundred and fifty linear feet of laying and relaying was done in the Bellevue Hill District, West Roxbury, affording a second supply main from the reservoir on the hill to the Metropolitan Hill District and to Hyde Park, as well as greatly improving

the fire protection.

Twenty-two thousand six hundred and sixty-nine linear feet of 6-inch and 12-inch pipe was cleaned by the National Water Main Cleaning Company of New York in East Boston and 11,721 feet of 12-inch pipe was cleaned by the same company in Brighton; large quantities of sediment and incrustation being removed in all cases with the result that the original carrying

capacity of the pipes was restored.

During the year the Pitometer Company completed the water waste survey of the South Boston and the South End Distribution Systems unfinished in 1920, and also completed a survey of the high service of the city proper, Roxbury and the greater part of Dorchester, together with a small portion of the Roxbury low service. This work (exclusive of that in South Boston and the South End) covered 269 miles of mains and resulted in a saving of 5,586,000 gallons of water per day through the actual stoppage of existing leaks located by the Pitometer Company and repaired by men of the Water Service. None of these leaks gave surface indications and all of them would have remained undetected without a special survey.

Further detailed information regarding the operations of the Distribution, Income and Meter Branches will be

found in the tables published herewith.

WATER DIVISION, 1921-22.

FINANCIAL STATEMENT.

RECEIPTS.

	11202				
Sales of water Service pipes and repairs Fire, motor, and elevator Refund of appropriation f					\$3,407,579 24
Service pipes and repairs					19,734 81
Fire, motor, and elevator	pipes and	repairs			18,044 84
Refund of appropriation f	or Income	e Branch	ι		8,000 00
Fees for summonses					4,646 53
Fees for summonses Labor, materials for misce	llaneous	work			3,686 04
Sales of old materials	iidii e o di				3,023 89
Water posts and street wa	toring ha	drante a	nd rene	irs.	0.000
Shutting off and letting of	weter f	urants a	ma repa		1,700 00
Demand to automobile	i water it	и попра	yment		1,700 00
Damages to automobiles Relocating main pipes					1,441 07
Relocating main pipes					934 64
Interest on bank deposits					649 90
Damages to hydrants Sales of merchandise					
Sales of merchandise					195 72
Board of horses .					180 00
Sales of gasolene					173 01
Sales of gasolene Rent of conduit, Congress	street				100 00
Testing meters					79.76
Testing meters					33 03
Delivering water Refund on cement Refund on bill Refund on freight					29 73
Refund on coment					$\frac{23}{21} \frac{75}{75}$
Defund on tellent	-				13 41
Defend on Dill					15 41
Refund on freight Use of meter					0.00
Use of meter					2 00
Total income Transferred to City Los	 an accou	nt to p	ay	6,000 00	. \$3,473,058 93
Hyde Park water debt Transferred to City Los			. 101	0,000 00	,
Transferred to City Los	ın aecou	nt to p	ay	* 000 00	`
general city debt			. 14	5,000 00)
Transferred to credit of	Collectin	ig Depa	rt-		
ment					
mene			. 3	4,596 76	
ment			. 3	4,596 76	3 - 195,596-76
			. 3		- 195,596 76
Net income			. 3		
			. 3		- 195,596 76
Net income .	Expe	NDITURE	3 		- 195,596 76 - \$3,277,462 17
Net income .	Expe	NDITURE	3 		- 195,596 76 - \$3,277,462 17
Net income .	Expe	NDITURE	3 		- 195,596 76 - \$3,277,462 17
Net income	Expensions	NDITURE	s. \$1,23	32,418 76 1,852 - 66	- 195,596 76 - \$3,277,462 17
Net income	Expensions	NDITURE	s. \$1,23	32,418 76 1,852 - 66	- 195,596 76 - \$3,277,462 17
Net income .	Expensions	NDITURE	s. \$1,23	32,418 76 1,852 - 66	- 195,596 76 - \$3,277,462 17
Net income	Expensions	NDITURE	s. \$1,23	32,418 76 1,852 - 66	- 195,596 76 . \$3,277,462 17
Net income	Expensions	NDITURE	s. \$1,23	32,418 76 1,852 - 66	- 195,596 76 - \$3,277,462 17
Net income	Expensions mient	NDITURE	s. \$1,23	32,418 76 1,852 - 66	- 195,596 76 . \$3,277,462 17
Net income	Expensions mient	NDITURE	s. \$1,23	32,418 76 1,852 - 66	- 195,596 76 . \$3,277,462 17

Details of expenditures under appropriation for current expenses and extensions for the fiscal year ending January 31, 1922. (From revenue.)

	$\mathbf{E}\mathbf{x}$	TENSION.					
Construction of new range Replacement of old name New hydrants	mains . nains .			\$77,235 172,471 4,583	21 19 84		
Total extension						\$254,290	24
	MAD	NTENANCE.					
Office and Engineerin	g Branch:						
Salaries and wages Traveling expenses		\$51,263 962	12 97				
age Miscellaneous .		2,535 991	$\begin{array}{c} 76 \\ 64 \end{array}$				
				\$55,753	49		
Income Braneh: Salaries and wages Traveling expenses Printing, stationery	and post-						
$egin{array}{ccc} { m age} & . & . & . \\ { m Miscellaneous} & . & . & . \end{array}$		5,202	$\frac{27}{20}$				
Miscellaneous .		1,928	38	131,897	16		
Distribution Branch:				191,097	40		
Salaries and wages Traveling expenses		\$31,779	19				
Printing, stationery	and nost-	401	17				
age	and post-	1,531	66				
age Miscellaneous .		1,985	75				
		·		35,758	07		
Meter Branch:							
Salaries and wages Traveling expenses New meters and set		\$15,291					
Traveling expenses		26	U0				
Meters, repairing,	resetting.	39,487	99				
testing, etc.	resetting,	36,013	17				
Printing, stationery	and post-	50,015	1.				
age		371	57				
age Shops. Investigations.		16.530	85				
Investigations .		$5,191 \\ 1,393$	30				
Holidays		5,191	62				
Holidays Laborers' vacations Miscellaneous		1,393	71				
Miscellaneous .		1,183	56	115 591	20		
Waste Prevention Bra	nah:			115,531	39		
Salaries and wages	men.	\$9,132	76				
Salaries and wages Traveling expenses		365					
Printing, stationery	and post-						
			40				
$_{ m age}^{ m age}$		58	95				
T C				9,583	66 70		
Inspection of castings			•	1,291	73		
Damages			٠	$4,459 \\ 61,566$			
Yards Shops			•	22,065			
onops							_
$Carried\ forward$				\$437,908	17	\$254,290	24

Brought forward					\$ 437,908	17	\$254,290 24
Stables:							•
Stables: Labor Hay and grain Board of horses Vehicle repairs Horseshoeing Veterinary services Harness repairs Light, \$91.96; Bu pairs, \$44.27 Equipment Coal Miscellaneous			\$11,593	64			
Hay and grain .			4,384	39			
Board of horses			$2,\!192$	78			
Vehicle repairs .			992	47			
Horseshoeing .			873	89			
Veterinary services			543	84			
Harness repairs			149	65			
Light, \$91.96; Bu	iilding	re-					
pairs, \$44.27.			136	23			
Equipment .			30	25			
Coal			28	14			
Miscellaneous .			47	51	00.050	=0	
m 1 1 :					20,972	79	
Tools and repairs.					10,563	51	
Main pipe relocation					9,403	99	
Main pipe repairs					73,986	40	
Service pipes, new	:	5.			33,011	87	
Service pipes, changes	in size	ana 10	eation		7,170	UI	
Equipment Coal Miscellaneous Tools and repairs. Main pipe relocation Main pipe repairs Service pipes, new Service pipes, changes Service pipes, repairs Hydrant changes in st Hydrant, repairs Water posts, new Water posts, new Water posts, changes Water posts, changes Water posts, changes Water posts, repairs Fountains, new Fountains, furnishing Fountains, furnishing Fountains, repairs Holiday Investigations Shutting off and letting		1			71,229	01	
Hydrant changes in st	yle and	toeati	on .		21,329	91	
Hydrant, repairs .		•			47,502	94	
Water posts, new					404	08	
Water posts, changes	m locat:	ion			180	04	
Water posts, repairs					1,414	66	
Fountains, new	., , .				409	70	
Fountains, changes in	style ar	ad loc	ation .		181	23	
Fountains, furnishing	iee .				0.140	20	
Fountains, repairs					2,143	87	
Honday					41,938	28	
Investigations					1,172	01	
Shutting off and letting	g on wa	ter			18,051		
Fountains, changes in Fountains, furnishing Fountains, repairs Holiday Investigations Shutting off and lettin Accommodation work Work on account of		٠,	÷	;	4,077	00	
THOSE OF HILLOUIS	Ome		A			0-	
Branch (by Dist					19	25	
Work on account of	income	Bran	en (by 1)1S-			
tribution Branch) Work on account of	M	D	h /l I):a	457	"	
		prane	en (by 1	JIS-	0.50	Δ1	
tribution Branch)	iv		Duarrant		858	04	
Work on account	ot W	aste	Freveno	1011	11.001	0.5	
Branch by Distribu					11,904	UJ	
Work on account of r	iew met	ers (D	y Distri	1)U-	5,734	57	
tion Branch) . Work on account of		nopois	o dw I)ie	0,104	J1	
tribution Drunch)	meter	repan	S (0) 1	715-	7 262	78	
Launah "Wetererest	,; ropoir	e ond	ennalion		599	U3 10	
Paneione mid Civil V	or Vot	orone	ouppuco		7 770	31	
Paneione mid retired	laharar	erana o			17 885	56	
Vacations allowed lab	orore in	o . wabar	ies ate		15.704	61	
Componentian allows	d iniura	d omi	alovees		1 330	97	
Emorgoney corvice	(i ilijiii (a (m	norce		20 138	26	
Harbor service		•			5.7.50	$\frac{25}{25}$	
Taves		•			204	40	
Work on account of tribution Branch) Launch "Watercrest, Pensions paid Civil W Pensions paid retired Vacations allowed lab Compensation allowe Emergency service Harbor service Taxes Medical inspector. Bridge Service		*	,		500	00	
Bridge Service					220	98	
Medical inspector. Bridge Service Pitometer waste surv Breed's Island tower	CVS				33,166	67	
Breed's Island tower			•		1	$\tilde{1}\tilde{2}$	
Delivering water .					$\begin{array}{c} 1 \\ 1 \\ 3,431 \end{array}$	00	
Garage					$3.43\hat{1}$	70	
Carried forward					\$943,103	31	\$254.290 24

$\begin{array}{ccc} Brought\ forward & . \\ \text{Automobiles} & . & . \\ \end{array}$:	\$943,103 31 37,505 64	\$254,290 24
Total maintenauce Merchandise sold						\$7,082 45	980,608 95
Stock consigned to junk						1,842 07	8,924 52 302,338 77
Stock purchased		٠		•	•		\$1,546,162 48
Less stock used and dispo							313,743 72
Total expenditures expenses and exter	fron Ision	m : ns .	appro	pria	tion	for current	\$ <u>1,232,418</u> 76

Comparative Table of Receipts and Expenditures.

Receipts

	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	1917–18.	1918-19,	1919-20.	1920-21.	1921-22.
Sales of water	\$2,906,569 76	\$2,947,210 88	\$2,923,719 09	\$2,859,707 92	\$3,037,974 66	\$2,872,867 89	\$2,998,922 73	\$3,241,542 57	\$3,364,937 04	\$3,407,579 24
Other receipts	75,674 49	84,389 48	69,922 86	84,977-77	71,374 55	79,223 75	50,529 81	54,111 33	64,598 71	65,479 69
	\$2,982,244 25	\$3,031,600 36	\$2,993,641 95	\$2,944,685 69	\$3,100,349 21	\$2,952,091 64	\$3,049,452 54	\$3,298,653 90	\$3,429,535 75	\$3,473,058 93
Transfers by City Auditor						* 4,826 39				
	\$2,982,244 25	\$3,031,600 36	\$2,993,641 95	\$2,944,685 69	\$3,100,349 21	\$2,956,918 03	\$3,049,452 54	\$3,298,653 90	\$3,429,535 75	\$3,473,058 93
Balance, beginning of year	\$64,521 97	8274,580 54	\$340,819 49	\$184,470 24	\$135,014 40	887,146 19	825,087 31	† \$ 3,487 \$ 3		
Balance, end of year	274,580 54	340,819 49	† 184,470 24	† 135,014 40	† 87,146 19	† 25,087 31	† 3,487 83			43,733 95
Transferred to Collecting Department				24,500 00	25,774 00	27,264 14	26,165 88	30,317 74	33,570 54	34,596 76
Transferred to city loan account	4,434 20	17,000 00	355,650 26	259,046 70	407,823 86	16,000 00	124,263 96	390,095 22	209,958 26	161,000 00
Transferred to appropriation for service mains and relaying mains	: 	200,000 00	200,000 00			35,000 00	30,000 00			

Expenditures.

	1912-13.	1913-14.	1914-15.	1915–16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.
Current expenses	‡ \$835,072, 00	\$899,338 91	\$894,170 14	8904,135 19	\$917,823 64	\$1,045,543 65	\$1,055,842 87	\$1,010,634 32	\$1 ,253,166 33	\$1,232,418 76
Service and relaying mains		85,945 40	128,584 36	49,455 84	47,868 21	97,058 88	51,599 48	3,487 83		
Metropolitan water assessment	1,792,123 83	1,842,127 65	1,676,038 11	1,665,006 20	1,669,432 79	1,752,004 76	1,741,008 84	1,805,104 07	18,85,924 91	1,958,528 33
Interest	137,875 37	118,673 48	94,615 02	91,259 22	87,866 59	80,494 28	71,268 00	61,162 73	45,874 33	41,852 66
Refunded water rates	2,680 28	1,275 97	933 31	738 38	628 33	611 20	962 99	1,339 82	1,041 38	928 47
	\$2,767,751 48	\$2,948,36 1 41	\$2,794,340 94	\$2,710,594 83	\$2,723,619 56	\$2,975,712 77	\$2,929,682 18	\$2,881,728 77	\$3,186,006 95	\$3,233,728 22

^{*}Transfer from Reserve Fund.
† Balance of appropriation for service mains and relaying mains.
‡ Amount expended for current expenses and extensions; there being one appropriation only.



COST OF CONSTRUCTION AND CONDITION OF WATER DEBT.

Cost of construction to February 1, 1922 Cost of construction to February 1, 1921		\$18,477,849 17 18,223,558 93
Increase during the year .	- 0	\$254,290 24
Outstanding loans February 1, 1921, at 3½ per cent	\$5,000 00 741,350 00)
Outstanding loans February I, 1922, at 3½ per cent . Outstanding loans February 1, 1922, at 4 per cent .	\$5,000 00 604,350 00	
Decrease during the year.		\$137,000 00
The Water Sinking Fund February 1, 1921 was The Water Sinking Fund February 1, 1922, was		\$746,350 00 609,350 00
Decrease during the year.		\$137,000 00
Net Water Debt February 1, 1921 Gross Water Debt February 1, 1922 Less Sinking Fund February 1, 1922	\$907,350 00 609,350 00	\$314,000 00 0
Net Water Debt February 1, 1922		298,000 00
Decrease during the year		\$16,000 00
Stock on hand February 1, 1921 Stock on hand February 1, 1922		\$423,096 00 385,879 68
Decrease during the year.		\$37,216 32
Cochituate Water Sinking Fund receipts, 1921 Interest on investments Interest on bank deposits	1-22:	\$24,604 28 3,421 45 \$28,025 73
Cost of existing works on January 31, 1922: Pipe yards and buildings Engineering expenses Distribution system (additions during \$254,290.24) Hyde Park waterworks	the year,	\$94,832 16 57,873 58 17,857,143 43 468,000 00 \$18,477,849 17

Automobiles.

Dept. No.	Description.	Price.	Registration, Licenses, Numbers.	Tires and Tubes, New and Repairs.	Gasolene, Oils, Greases.	Storage.	Repairs and Supplies.	Chauffeurs' Wages.	Heat and Light.	Totals.
88	Truck, emergeney 1			\$241 51	\$405 64		\$788 13	\$4,212 00	:	\$5,647 28
96	Truck, general work		\$2 00	206 26	485 79		225 70	1,404 00	:	2,323 75
66	Truck, general work ?	:		50 11	131 38		215 82			397 31
100	100 Roadster, engineer in charge		10 00	71 40	244 52		189 79	1,404 00	:	1,919 71
108	Truck, general work ³		:	17 91	92 91		116 66			227 48
110	110 Roadster, superintendent, distribution branch		12 00	116 50	69 22		219 50			417 22
111	Truck, general work 4.			39 81	84 47		86 93			211 21
116	Truck, general work 6		75	27 51	130 08		359 33			517 67
118			4 00		22 96	\$120 00	68 14			215 10
121	Truck, general work 6			135 81	126 63		123 47		:	385 91
122	Truck, plumbers 7		2 00	112 12	209 23		307 69			631 04
125	Roadster, division engineer		14 00	134 12	134 04	221 50	530 20			1,033 86
136	Truck, West Roxbury district		6 75	26 06	231 63	12 00	401 22			99 202
158	Touring ear, engineer, District No. 2		16 00	71 05	189 07		453 74			729 86
129	Truck, East Boston district		12 00	29 57	141 57		104 42			287 56
130	Truck, general work		2 00	119 63	282 22	:	395 19	1,404 00		2,203 04
132	Truck, general work		2 00	33 69	265 02		20 909	1,404 00		2,310 78
133	133 Truck, meter branch		2 50	63 70	269 78		285 36		:	621 34

131	131 Truck, meter branch.	:	S 00	06 16	74 722	:	165 13	:	:	494 S0
135	135 Truck, Brighton district.		÷ 00	128 96	238 24	180 00	201 70			752 90
136	Truck, West Roxbury district		9 00	173 07	337 30	108 00	11 612			843 48
137	137 Truck, plumbers		4 00	170 08	301 20		267 44		:	142 72
138	138 Truck, meter branch		4 00	57 35	234 00		506 25		:	801 60
1:39	139 Roadster, foreman, Charlestown district		14 00	51 78	84 89		26 98		:	237 64
140	140 Truck, auto repair service		2 00	44 44	37 08	:	796 02		:	879.54
1:13	142 Roadster, engineer meter branch		10 00	77 43	172 90	:	151 74		:	415 07
143	143 Roadster, foreman, West Roxbury dis-		14 00	41 71	125 46	144 00	42 61	:	:	367 78
1-1-4	144 Roadster, foreman, Brighton district 8		14 00	61 33	143 81	144 00	135 62		:	92 861
145	145 Roadster, foreman, Dorchester district	:	10 00	40 17	91 57		45 23		:	186 97
91-1	146 Truck, shut-off gang	:	2 00	125 36	310 02	:	200 04	1,404 00	:	2,041 42
1.47	147 Roadster 9	:	10 00	35 82	90 20		186 50		:	322 52
<u>2</u>	148 Roackter, foreman, eity proper, Roxbury and South Boston	:	12 00	93 65	228 94	:	212 33	:	:	26 95
1.19	149 Truck, Dorchester district		2 00	58 28	196 72	:	53 01	1,404 00		1,714 01
150	150 Truck, meter branch		4 00	60 77	258 49		79 54			407 80
151	Truck, meter branch	\$815 00	00 9	99 14	175 25		155 76		:	1,251 15
152	Truck, high pressure fire service 10,		4 00	16 04	32 91		80 61		:	133 56
153	153 Truck, waste water survey	815 00	4 00	95 36	283 08	:	106 41	1,404 00		2,705 45
	The second secon									

Automobiles—Concluded.

Dept.	Векпартом.	Price.	Registration, Licenses, Numbers.	Tires and Tubes, New and Repairs.	Gasolene, Oils, Greascs.	Storage.	Repairs and Supplies.	Chauffeurs' Wages.	Heat and Light.	Totals.
154	154 Truck, general work	\$559 84	84 75	\$87.37	\$246 10		\$58 36	\$1,404 00		\$2,360 42
155	155 Truck, Dorchester district	62 929	00 9	05	116 76		32 60			812 20
156	156 Roadster, supervisor of automobiles	352 00	20 00	90	60 17		29 81			462 03
157	Truck, meter readers	411 00	4 00		38 91		22 71			476 62
158	Truck, plumbers	341 00	3 00	13 07	21 56		87 87			465 50
159	Truck, emergency	3,258 98	5 00	2 61			1 09			3,264 68
160	160 Roadster, foreman, Brighton, district	321 75		:	13 65		06			336 30
	Pitometer Company's automobile (used on waste survey)	:		91 76	212 16		238 70	:		542 62
	Garage, labor and supplies				25		3,317 71		\$1,272 31	4,590 27
	Automobi.e, repair shope				55		3,366 14		183 48	3,550 17
	Totals	\$7,531 36	\$258 75	\$3,244 21	\$7,795 80	\$929 50	\$929 50 816,325 27	\$15,444 00	\$1,455 79	\$52,984 68

7 \$100 allowed for this ear on purchase price of auto No. 158. \$\$200 allowed for this car on purchase price of auto No. 154.

1 \$844.95 allowed for this car on purchase price of auto No. 159. ² \$85 allowed for this car on purchase price of auto No. 156. 3 \$85 allowed for this car on purchase price of auto No. 155. 4 \$90 allowed for this ear on purchase price of auto No. 156. \$90 allowed for this car on purchase price of auto No. 157.

8 \$155 allowed for this car on purchase price of auto No. 160.

w Bought from appropriation for High Pressure Fire Service. Transferred to Paving Service.

INCOME BRANCH. Statement of Each Year's Water Rates, 1903 to 1922, as of January 31, 1922.

Account of Year.	Amount Assessed.	Amount Abated,	Amount Collected.	Outstanding,
1903	\$2,386,428 02	\$58,080 51	\$2,328,347 51	
1904	2,391,751 16	39,071 22	2,352,679 94	
1905	2,446,978 39	36,107 08	2,410,871 31	
1906	2,524,205 25	37,599 28	2,486,605 97	
1907	2,619,031 00	34,959 33	2,584,071 67	
1908.	2,645,962 55	36,939 32	2,609,023 23	
1909	2,694,408 57	49,407 44	2,645,001 13	
1910	2,816,000 66	117,818 49	2,728,182 17	
1911	2,863,501 75	65,439 47	2,798,062 28	
1912	3,001,771 87	49,937 87	2,943,402 48	\$8,431 52
1913	3,004,331 52	37,213 39	2,954,183 62	12,934 51
1914	3,034,885 83	23,521 74	2,970,232 82	41,131 27
1915	2,960,797 45	15,084 24	2,902,946 96	42,766 25
1916	3,130,580 28	16,118 55	3,058,202 47	56,259 26
1917	3,120,870 86	18,912 53	3,035,326 12	66,632 21
1918	3,359,683 75	96,725 56	3,186,997 69	75,960 50
1919	3,210,036 71	25,090-20	3,090,866-72	94,079 79
1920	3,501,919 72	58,887 91	3,333,871 11	109,160 70
1921.	3,591,287 58	19,065 51	3,063,527 79	508,694 28
1922	336,497 61		62,430 35	274,067 26

Elevator, Motor and Fire Services.

Total number of elevator services in use January 31, 1922	514
Fire services installed during year.	105
Total number of fire services in use January 31, 1922.	2,077
Total number of motor services in use January 31, 1922	96
Number of motor services metered	20

Complaints and Water Turned Off and On.

omplaints, no force, stoppage, etc	
ater turned on and on.	
Repairs of services	5,468
Vacancy	1,511
First time	432
Non-payment	3,469
Waste	10,887
Total.	

METER BRANCH.

Table No. 1.—Statement of Work During the Year.

		_,	Снаг	IGED.				
Маке.	New Sets.	Discontinued.	Out.	In.	Tested.	Repaired in Shop.	Resets.	Repaired in Service.
Hersey disc	1,036	57	3,242	2,408	5,486	2,334	140	294
Worthington disc	1,252	20	1,627	2,361	2,274	1,640	286	132
Crown	33	4	238	183	476	27	6	40
American	96	2	164	126	328	77	8	10
Hersey rotary	22	3	139	85	278	96	1	41
Nash	11	1	137	49	274	231	3	8
Lambert	14	1	60	60	120	104	4	. 7
Trident	1		18	16	36	21	1	1
Keystone	10		35	23	70	55	1	3
Empire	15		10	1	20	9		
Worthington			6	1	12	2		
Hersey detector			1	2	10			30
King	194	12	558	342	1,118	1,041	22	65
Hersey compound				1	8	1		3
Watch dog	872	1	18	596	1,386	724	28	4
Metropolitan			1					
Totals	3,556	101	6,254	6,254	11,896	6,362	500	638

Table No. II. Meters in Stock February 1, 1922.

		D	IAMETI	ER IN	Inci	HES.			m + 1
Make.	1	1	1	1}	2	3	4	6	Totals.
Crown	406	35	57	7	13	9	4	5	536
Nash	56	11	10	2		1			80
Empire	10		3	1					14
Gem					2	4	6	6	18
Hersey disc	631	15	7	7	1	1	1		663
Hersey rotary	128	2	20	2	4			1	157
Lambert	32	4	2		1		2	 	41
King	143	3	10	1	7				164
Trident	12								12
American	58	5							63
Keystone	5	3						1	9
Watch dog	553	145	1	13	16				728
Worthington disc	232	4	2	2	7	9			256
Hersey detector								1	1
Totals	2,266	227	112	35	51	24	13	14	2,742

Table No. III.

Meters in Service February 1, 1922.

Make.]	DIAS	METER	IN I	NCHE	3.					m
MAKE.	ŧ	3	1	11	11	2	3	4	6	8	10	12	Totals.
Hersey disc	42,910	3,013	1,455	1	699	259	110	43	1				48,491
Hersey rotary	385	358	227		183	161	62	25	13				1,414
Hersey detector							3	16	22	12	4	2	59
Crown	592	451	313		206	174	75	52	10				1,873
Nash	420	224	124		39	37	3						847
Lambert	321	106	70		14	18		2					531
Trident	198	4	4		4	5	10		1				226
Worthington		9	30		2	8	12	1					62
Worthington disc	10,274	36	22		10	41							10,383
Keystone	191	81	22		2	2	9		1				308
Metropolitan		12	1										13
American	242	485											727
Worthington turbine								1					1
Empire	151	3	2		5								161
Gem						1			3		.		4
Standard	6												6
Watch Dog	1,547	105	49		12	9							1,722
Thomson	6	2											8
Union	2	1											3
King	3,561	111	251		48	45							4,016
Hersey compound							1	7					8
B. W. W		1											1
Gamon	1												1
Totals					1,224				51	12	4	2	70,865

Table No. IV.

Meters Purchased.

M		D_{L}	METE	R IN	INCE	HES.			m . 4 . 1
Make.	<u>5</u>	1	1	1 1/2	2	3	4	6	Totals.
Hersey disc							1		1
Worthington disc						10			10
Hersey compound							1	3	4
King				1					1
Watch dog	2,000	250	50	25	25				2,350
Totals	2,000	250	50	26	25	10	2	3	2,366

Table No. V.

Meters Condemned.

Y		DIA	METE	R IN	Inch	ES.		m
Make.	ŧ	1	1	1 ½	2	3	4	Totals.
King	4	2			×			6
Worthington disc	4	3						7
Empire	8							8
Crown	5	2	. 5	1	2	3	1	19
American	3							3
Hersey rotary	5	3		1				9
Metropolitan		1						1
Nash	1							1
Worthington		3	4	1				s
Hersey disc	6					1		7
Totals	36	14	9	3	2	4	1	69

Table No. VI.

Meters Repaired in Service.

Маке.		Defaced.	Clock Broken.	Spindle Leak.	Coupling Leak.	Miseellancous.	Totals.
Hersey disc		11	63	165	50	5	294
Worthington disc		3	8	94	26	1	132
Crown		3	21	13	3	9	40
American	 	1	1	6	2	1	10
Hersey rotary.		4	16	19	2		41
Nash			.	4	2	2	8
Lambert				2	5	-00	7
Trident				1			1
Keystone				1	1	1	3
Detector			28			2	30
King			3	59	3		65
Hersey compound			3			!	3
Watch dog				3	1		4
Totals	 	22	142	367	95	12	638

Table No. VII.
Meter Changes.

			METERS OUT.	R8 O	UT.							MET	Meters In.	ž.				
Маке.		VIQ	DIAMETER IN INCHES.	NI	NCHE	, i					DIA	DIAMETER IN INCHES.	Zi	INCHI	g			Totals.
	noise	- Fried	1	113	C1	ო		e 1	Totals.	10)30	n+4	-	13	63	ಣ	4	9	
King	437	18	162	9	18	<u>:</u>	:		558	211	17	08	4	18		12	:	342
Hersey disc	2,796	233	131	36	17	19	6	_	3,242	1,787	434	128	25	16	17	-	:	2,408
Worthington disc	1,599	00	6	:	6	21	:	:	1,627	2,286	14	6	12	26	14	:	:	2,361
Nash	84	33	16	63	c.i	<u>:</u>	<u>:</u>	-:	137	63	56	17	_	က	:	:	:	49
Empire	6	:	:	:	:	<u>:</u>	- :	:	10	_	:	:	:	:	_ :	:	:	-
American	107	22	:	:	<u> </u>	:	÷	:	164	7.0	47	:	:	:	:	:	:	126
Hersey rotary	34	40	30	19	11	491		:	139	4	28	18	22	12	7	:	:	82
Crown	08	5.4	40	19	21	12	10	67	238	10	106	53	17	6	က	-1	C)	183
Keystone	23	11	<u>:</u>	<u>:</u>	:	:	:	_	35	15	7	:	:	_	:	:	:	23
Lambert	35	17	9		_		- <u>:</u>	<u>-</u>	09	41	13	5	-	:	:		:	09
Trident	14		- <u>:</u>	:	7	ς 1	:		18	13		:	:	_	-	:	:	16
Watch dog	16	23	- <u>-</u> -	:	:	:	<u>:</u>	:	18	511	44	33	7	4	:	:	-	596
Worthington	:	:	4			_	:	:	9		:	:	:	_	:	:	:	1
Detector	<u>:</u>	:	<u>:</u>	:	:	- <u>:</u>	:		-		:	:	:	:	:	:	2	21
Metropolitan.	:	1	:	:	:	:	:	·:	-	:	:	:	:	:	:	:	:	
Hersey compound		:	:	:	:	:	<u>:</u>	:	:	:	:	:	:	:	:	:		1
Totals.	5,234	475	316	84	08	40	20	10	6,254 4,960	-	737	319	88	91	36	20	10	6,254

Table No. VIII.

Causes for Meters Changed.

Make.	Test.	Not Registering.	No Force.	Stoppage.	Enlarged.	Spindle Leak.	Coupling Leak.	Frost.	Set Backwards.	Relocated.	Clock Broken or Defaced.	Totals.
Hersey disc	222	1,750	26	2	3	456	161	368	10	1	243	3,242
Hersey rotary	18	91	2			8	1	6			13	139
Crown	26	98	43			19	8	15	2	5	22	238
Nash	20	66				22	11	12	1		5	137
Lambert	9	19	3			17	2	4	1		5	60
Trident	13		1			3					1	18
Worthington	1	3				1					1	6
Worthington disc	74	835	5	3	2	315	71	254	11		57	1,627
Keystone	1	24		2		1	1	3			3	35
American	16	98	3			19	7	10	1		10	164
Empire	1	5	2			2						10
King	17	288	3	1		146	21	67	2		13	558
Hersey detector	1											1
Watch dog	2	4				1	3	8				18
Metropolitan		1										1
Totals	421	3,282	88	-8	5	1,010	286	747	28	6	373	6,254

Table No. IX.

Meters Applied.

Meters A	ppuea.						
V	r)iamet	ER IN	Inc	HES.		Totals
Маке.	<u>5</u>	3	1	1 1/2	2	3	Totals
Hersey disc	911	61	41	12	7	4	1,036
Worthington disc	1,238	1	3	7	3		1,252
King	167	3	21	2	1		194
American	80	16					96
Trident						1	1
Hersey rotary	2	12	8				22
Nash	3	6	1	1			11
Keystone	6	4	·	.			10
Lambert	10	2	1	1			14
Crown	10	4	3	9	1	6	33
Empire	15						15
Watch dog	822	24	12	8	6		872
Totals	2,364	133	90	40	18	11	3,556

WASTE PREVENTION BRANCH.

The following tables gives in detail the operations of this branch during the past year:

Table 1.

Premises examined	 11,482
Special examinations	 310
Waste reports	 1,989
Re-examinations	 1,67
Found repaired	 1,324
Not repaired	 347

Table II.

DEFECTIVE FIXTURES.	
Tank fixtures leaking	81
Faurets	93
Pipes inside	14
Pipes outside	9
Metered premises leaking	42
Gates leaking	1
Wilful waste	
Fountains leaking	

DISTRIBUTION BRANCH.

Table No. 1.

Showing Length of Water Pipes and Connections Owned and Operated by the Public Works Department, Water Division (Water Service) and Number of Values in Same January 31, 1922.

							Dix	NETER	or Pir	DIAMETER OF PIPES IN INCHES	HE4.						Tarturk
÷	8	24	04	36	30	4.	20	91	4	12	01	œ	9	4	٣	7	- Orang
Length owned and operated January 31, 1921 (feet)	10,607	15,683	16,081	37,132	98,223	79,090	86,466	269,954	5,041	1,469,580	,469,580 412,920 834,996	834,996	1,195,717	100,105 7,022 5,791	7,022	5,791	4,639,40
Sate valves in same Air valves in same Blow-offs in same	<u> </u>	→ 90 -	x x x	z ii z	8 5 8	8 7 7	274	59 66 73 610 19 106 48 41 56 35 21 46 63	2 : : ::	3,6,76 37 152	1.37.7	2.8.2 4.01	5,7,6 119		<u>.</u>	1 -	945 648 648 648 648 648 648 648 648 648 648
Length laid and relaid during year 1921–22. Gate valves in same			: :	2,511	250	101	207	;; ;;	:::	18,544	16,395	11,951 50	909	£ –	5		53,420 412
Air valves in same Blow-offs in same				~ -	T :	- :	21 :	70 PI		10 C		· · ·		:			
Length abandohed during year 1921-22 Gate valves in same					142	2,533	15.01	0. 21		1,074	4. N 51	4,596	29,917 58	16.9 I		:::	41,908 121
Air valves in same Blow-offs in same					÷1 —	-			: :	100		;;i	9	-			1
Length owned and operated January 31, 1922 (feet) Gate valves in same	9.0	15,68	16,081 S	39,642	33,	76,661	86,525	86,525 272,096 5,011 72 612 19	5,011	1,487,350	1,487,350 428,747 842,351 3,764 1,422 2,856	842,351 2,856	1,166,679	97,214 587		5,791	7,120 5,791 *4,650,928 15 11 13,228
Air valves in same	<u> </u>	± ±	3€ 50	<u> </u>	10 10 10 10 10 10 10 10 10 10 10 10 10 1	200	219	86	: :	151	- 2	110	113	99	: :		6.65 6.65 6.65 6.65 6.65 6.65 6.65 6.65

* 880.85 miles in system.

Table No. 11. Statement of Hydrant, Blow-Off and Reservoir Pipes.

			Ω	DIAMETER IN INCHES.	IN INCHE	ni.			Totale
	91	12	01	6	œ	9	4	8	Totals
Total length connected with system January 31, 1921	27	5,566		186 1,890	5,780	5,780 64,429	6,594	89	84,540
Length laid and relaid during year			:	:	103	2,013	18		2,134
Length abandoned during year.			:	20	38	1,101	73	:	1,232
Total leneth connected with system January 31, 1922.		27 5,566		1,870	5,845	186 1,870 5,845 65,341 6,539	6,539	89	68 85,442

Table No. III.

Total Number of Hydrants in System January 31, 1922.

	Lowry.	Boston Lowry.	Boston Post.	Ordinary Post.	Bachelder and Finneran Post.	Ludlow Post.	Chapman Post.	Coffin Post.	Matthews Post.	Boston.	Totals.
City proper (public)	494	42	581	281	65					66	1,529
" (private)	4		9	6						39	58
Roxbury (public)	368	60	508	453	77					16	1,482
" (private)	2	1	3	2						10	18
West Roxbury (public)	48	182	512	851	35					16	1,644
" (private)				15	1					1	17
Brighton (public)	34	60	288	484	13				·	14	893
" (private)				8					!	2	10
Dorchester (public)	220	165	716	1,150	23					22	2,296
" (private		1	8	1						4	14
South Boston (public)	112	24	280	222	7					18	663
" (private)	3			15						27	45
East Boston (public)	37	16	232	204	15					6	510
(private)	8	1		9						25	43
Charlestown (public)	98	40	160	49	2					2	351
" (private)	13	1		37						5	56
Hyde Park (public)		2	28	261	24	7	138	1			461
(private)						13	55		4		72
Deer Island (private)			1	20							21
Long Island (private)				6							6
$Thompson's \ lsland \ (private), \dots,$				2							2
Gallop's Island (private)				3						1	4
Rainsford Island (private)	!			3						1	4
Quincy				9							9
Total number (public)	1,411	591	3,305	3,955	261	7	138	1		160	9,829
Total number (private and suburban)	30	4	21	136	1	13	55		4	115	379

Table No. IV.

Total Number and Aggregate Length of Service Pipes of Various Sizes

Connected with System, January 31, 1922.

Size.	Total Number.	Aggregate Length in Linear Feet.
½-inch	6,920	158,386
§-inch	85,111	2,375,012
3-inch	3,533	121,018
1-inch	5,451	195,958
1/4-inch	524	15,934
!-inch	1,581	48,279
2-inch	2,170	67,777
½-inch	12	267
3-inch	951	27,534
4-inch	2,480	73,682
6-inch	187	22,980
8-inch	58	4,059
0-inch	12	1,665
2-inch	17	3,558
6-inch	5	448
Totals	109,012	3,116,557

Table No. V. Fountains in Service January 31, 1922.

	Style B.	Style D.	Style G.	Style H.	Style I.	Style J.	Style K.	Style L.	Style M.	Totals.
City proper				7	18	11		6	12	54
Roxbury	2			-4	1	2	2	1	2	14
West Roxbury		1		1		3	2	1	1	9
Brighton				1			2	3	'	6
Dorchester	1		1	1		3	1	1	4	12
South Boston	1			3	5	5	1		2	17
East Boston	3			6		3		1		13
Charlestown					11	5		3	2	21
Hyde Park	1			1		1			2	5
Totals	8	1	1	24	35	33	8	16	25	151

FOUNTAIN DESCRIPTION.

- Indicates fountain for beasts only. Continuous flow of water during year.
- D
- Indicates fountain for man and beast. Automatic fixtures for both.

 Indicates fountain for man and beast. Hygienic burble fixture for man. Continuous flow of water for man and beast all the year. G.
- Indicates fountain for man only. Water of ordinary temperature. Hygienic bubble, fixtures controlled by self-closing cocks. In service during warm weather. H.
- Indicates taps on water posts, hydrants and fountains for watering horses.
- Indicates fountains for man only. Cold water. Hygienie bubble fixtures controlled by self-closing coeks. In service during warm weather. J.
- Indicates fountain for man and beast, fitted with automatic fixtures controlled by self-closing cocks. Bubble fixture for man in warm weather. Continuous flow for beasts all the year.
- Indicates fountain for man and beast, bubble fixtures for man and taps fitted for the purpose of filling pails to water horses. Continuous flow for beasts all the year.
- M. Indicates fountain for beasts only, fitted with taps for the purpose of filling pails to water horses. Continuous flow for beasts all the year.

Table No. VI.

Maintenance of Main Pipe.

NATURE OF WORK.	Number of Jobs.	Total Cost.
Box tops renewed	21	\$311 31
Cleaning main pipes (by contractors)	12	731 89
Dead ends blown off	105	278 94
Gates leaking at packing	68	628 51
Gates examined, inspected, oiled, salted, tested, etc	2,118	456 62
Gate locations marked	5,944	1,338 05
Gates repaired	26	1,289 16
Gate boxes cleaned out	51	192 31
Gate box covers (55) and frames (71) replaced	126	866 37
Gate boxes renewed	399	10,799 90
Gate boxes raised and lowered	. 811	7,535 63
Leaking joints repaired	116	2,822 16
Leaks due to settlements and other causes	32	2,340 53
Repairs on bridges (on pipes, boxes, etc.)	18	3,893 55
Repaying (including contractor's miscellaneous jobs)	161	3,090 17
Miscellaneous jobs	11	672 87
Totals	10,019	\$37,247 97

Table No. VII.

Hydrants Established and Abandoned.

			E	STABI.	ASHE	D.						Ава	NDON	ED.			
	Lowry.	Boston Lowry.	Boston Post.	Ordinary Post No. 1.	Ordinary Post No. 2.	Bachelder and Finneran No. 1.	Bachelder and Finneran No. 2.	Total.	Lowry.	Boston Lowry.	Boston Post.	Ordinary Post No. 1.	Ordinary Post No.2.	Bachelder Post.	Chapman Post.	Boston.	Total.
City Proper	1			1	18	7	33	60	7		27	6	4	11		1	56
Roxbury					30	11	63	104	11	3	37	26	7	11			95
West Roxbury			1		16		30	47	6	2	9	15		3		2	37
" (private)					3		1	4				4					-4
Brighton		2		1	9		13	25	7	4	8	2	1	2			24
Dorehester		1		5	14		17	37	8	5	1	6	5	3			28
South Boston					2	2	4	8	3		3	3					9
East Boston					9		15	24	1	1	9	9	1	1			22
Charlestown					3	 	2	5		1	1	1		2			5
Hyde Park					3		21	24				1			7		
Rainsford Island (private).				1		i		1				1					1
Total, public	1	3	1	7	104	20	198	334	43	16	95	69	18	33	7	3	284
Total, private				1	3	 	1	5				5					- 5

Table No. VIII.

Hydrant Repairs 1921.

CAUSE OF REPAIRS.	Number of Jobs.	Cost.	
Boxes raised, lowered, reset, repaired and renewed	1,187	\$7,995	74
Barrels changed, relocated, reset and repaired	328	2,648	49
Frost	31	61	89
Paint worn off	5,611	1,709	73
Contractors, corporations, other departments and divisions	119	562	40
Street construction and repairs	84	1,582	89
Repaying on account of repairs	150	1,563	44
Traffic	88	915	19
Hydrants inspected, oiled, cleaned, pumped, wasted and cleared off snow.	64,818	14,855	50
Salt delivered to Fire Department, bags		2,461	1
Totals	72,416	\$ 31,386	41

Table No. IX.

Statement of Service Pipes Laid and Abandoned.

Totals.	Length in Feet	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12,614 6,521	6,093
Ť	Number of Services.	2551 2551 2551 2552 2552 2552 2553 2553	627	294
Вовтом Наивов.	Length in Feet.			
Вод	Number of Services.		9 :	9 :
Нуре Равк.	Length in Feet.	1,205, 35, 45, 34,73, 34,73,	1,282	874
PA PA	Number of Services.		32 23	26
HARLES- TOWN.	Length in Feet.	2005 2005 10 pg 1 10 10 10 10 10 10 10 10 10 10 10 10 1	202	253
CHARLES TOWN.	Number of Services.	4.3	15	9
EAST	Lenght in Feet.	1368 1368 137 28 38 38 39 39 39 39 39 39 39 39 39 39 39 39 39	48:	272
East	Number of Services.	- Син н н н н н н н н н н н н н н н н н н	20 8	12
South Boston.	Length in Feet.	33 35 35 36 36 36 36 36 36 36 36 36 36 36 36 36	458 316	142
So	Number of Services.	::-o= : : : : : : : : : : : : : : : : : : :	15	
Don- сневтек.	Length in Feet.	1284 1211 1211 1211 132 132 132 132 132 132	1,758	1,247
СНЕ	Number of Services.	1. 7. 3. 3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	91	74
Видитом.	Length in Fect.		1,680g	1,595
Вис	Number of Services.		15.8	69
WEST ROYBURY.	Length in Feet.		3,408	3,058
Rox	Number of Services		168	157
Roxbury.	Length in Feet.	1,599-8,31 33,494,31 33,104 5,504 4,01 8,31 8,31 18,1 18,1 18,1 18,1 18,1 18,	1,178	£629
Rox	Number of Services.		68 119	
Стту Рворев.	Length in Feet.	1, S623 1, S623 1, 200 1, 200	2,189	4103
Pre	Number of Services.	17%×42000-14044024-1	113	2
	71CES DONED.			
	Sizes of Services Laid and Adandoned	Finch laid. Finch abandoucd. Finch abandoucd. Finch abandoncd. Finch laid. Finch abandoncd. Finch laid. Finch abandoncd. Finch laid. Finch abandoncd. Finch abandoncd. Finch abandoncd. Finch abandoncd. Finch laid. Finch abandoncd. Finch laid. Finch abandoncd. Finch laid. Finch abandoncd. Finch laid. Finch abandoncd. Finch laid. Finch laid. Finch abandoncd. Finch abandonc	Total laid	Net increase
	T	inch die der der der der der der der der der de	Tot	Net

Table No. X.

Cost of New Service Pipes Laid.

Size.	Number.	Length in Feet.	Material.	Labor, Teaming, etc.	Repaying.	Blasting.	Total Cost,	Average Cost per Service,	Average Cost per Linear Foot,
;-ineh	282	5,736	\$2,999 35	\$5,324 17	\$440 63	\$545 00	\$9,309 15	\$33 01	\$1 62
3-inch	45	1,138	748 17	1,225 45	76 18		2,049 80	45 55	1 80
1-inch	8	158	141 58	164 70	62 55		368 83	46 10	2 39
11-inch	2	64	53 34	55 86			109 20	54 60	1 71
1;-inch	3	69	99 90	76 91			176 81	58 94	2 56
2-inch	6	169	268 76	262 85			531 61	88 60	3 15
3-inch	9	162	771 77	359 65	70 20		1,201 62	133 51	7 42
4-inch	98	1,629	8,613 37	5,858 43	2,209 39		16,681 19	170 22	10 24
8-inch	1		64 12	17 66			81 78	81 78	
10-inch	1	17	244 44	119 81	160 00		524 25	524 25	30 84
Totals	455	9,142	\$14,004 80	\$13,465 49	\$3,018 95	\$545 00	\$31,034 24		

Table No. XI.

Cost of Service Pipes Abandoned and Plugged.

Size.	Number.	Length in Feet.	Material.	Labor, Teaming, etc.	Repaving.	Total Cost.	Credit (Stoek Returned).	Net Total Cost.	Average Cost per Service.	Average Cost per Linear Foot.
1-inch	1	30	\$0 14	\$13 57		\$13 71	\$2 06	\$11 65	\$11 65	\$0 38
}-inch	145	2,519	77 83	1,532 07	\$301 28	1,911 18	289 94	1,620 84	11 18	64
3-inch	4	73	45	15 64		16 09	9.78	6 31	1 58	09
1-inch	3	163	95	28 08		29 03	10 82	18 21	6 07	11
11-ineh	2	44			!					.
1;-inch	5	120	5 91	82 70		88 61	32 24	56 37	11 27	46
2-inch	5	78	4 33	80 13	14 58	99 04	19 21	79 83	19 77	45
3-inch	3	45	20 78	37 76		58 54	6 55	51 99	17 33	1 16
4-inch	6	99	22 02	123 92		145 94	112 02	33 92	5 67	34
Totals	174	3,171	\$132 41	\$1,913 87	\$ 315 86	\$ 2,362 14	\$482 62	\$ 1,879 12		

Table No. XII.

Cost of Laying New Services, Excavating and Backfilling Done by Applicant.

Size.	Number.	Length in Feet.	Material.	Labor.	Teaming.	Repaving.	Total Cost.	Average Cost per Service.	Average Cost per Linear Foot.
5-inch	46	699	\$406 15	\$1 63 23	\$60 24		\$629 62	\$ 13 69	\$0 90
3-inch	12	171	152 10	41 00	9 58	\$14 70	217 38	18 12	1 27
1-inch	3	57	31 66	14 81	3 31		49 78	16 59	87
1½-inch	2	49	63 16	11 34	5 21		79 71	39 85	1 63
2-inch	3	51	84 86	10 43	6 56		101 85	33 95	1 99
3-inch	1	5	93 73		12 47		106 20	106 20	21 24
4-inch	5	69	395 34	95 35	23 10		513 79	102 76	7 44
Totals	72	1,100	\$1,227 00	\$336 16	\$120 47	\$14 70	\$1,698 33		

Table No. XIII.

Cost of Service Pipes, Replacing Others.

	La	ID.		ABANDONED ND PLUGGED.			ing,	uing,				in th	t per
Size.	Number.	Length in Feet.	Number.	Length in Feet.	Material.		Labor, Teaming, etc.		Repaving.	Total Cost.		Average Cost per Service.	Average Cost per Linear Foot.
5/s-inch	33	731	112	2,529	\$300	73	\$539	4 0		\$840	13	\$25 46	\$1 17
³-inch	9	210	15	134	84	4 5	385	70	\$44 57	514	72	56 08	2 45
1-inch	19	457	22	503	297	78	739	32	81 18	1,118	28	58 86	2 45
1½-inch	9	232			154	11	338	07	312 44	804	62	89 40	3 47
1½-inch	17	423	3	126	390	67	835	54	171 50	1,397	71	82 22	3 30
2-inch	7	164	1	5	295	96	260	76	133 81	690	53	98 65	4 21
3-inch	3	48	3	56	256	41	256	54	65 59	578	54	192 85	12 31
4-inch	2	75	2	65	101	62	248	83	63 49	413	94	206 97	5 52
6-inch	1	32	1	32									
Totals	100	2,372	159	3,450	\$1,881	73	\$3,604	16	\$872 58	\$6,358	47		

Table No. XIV.
Service Pipe Repairs 1921.

CAUSE OF REPAIRS.	Number of Jobs.	Cost.
Boxes established, repaired, regulated and renewed	148	\$1,596 46
Coeks established, repaired and regulated	120	1,996 29
Gates repaired, raised and lowered	14	434 48
Electrolysis, ashes and rats	42	1,334 18
Defective pipes and settlement	1,078	21,256 61
Pipes regulated	6	99 57
Repairs on account of contractors, corporations, other departments and divisions.	161	1,283 76
Frost	34	$628 \ 68$
Traffie	15	68 38
Repayed on account of repairs	568	9,577 54
Rust, dirt and fish	1,099	4,139 80
Street repairs	891	5,939 74
Uprights established, renewed, repaired, relocated and regulated,	4,553	2,518 03
Off and on	6,909	12,046 06
Investigations	792	3,379 69
Totals	16,430	\$66,299 27

Table No. XV. Fountain Repairs 1921.

Causes.	Number of Jobs,	Cost,	
Defective paving	3	\$18	48
Defective boxes	1	34	76
Boxes raised to grade	2	8	54
New cooler	1	33	43
Relocated	1	216	20
Shut off	2	3	71
Defective cocks	18	90	53
Leaks	38	430	84
Hit by vehicles	29	338	79
Placed tablet on fountain	I	2	98
Defective frames and covers	3	53	79
Painting	2	2	82
Waste pipes filled with dirt	7	31	74
New brick chambers	2	173	98
Totals	110	\$1,440	59

Table No. XVI. Fountains Established and Abandoned.

STYLE.	Established.	STYLE.	Abandoned.
J.	Huntington avenue at Calumet street, city proper.	К.	Albany street at Dearborn street, Roxbury.
н.	Bayswater street at Thurston street, East Boston.	L.	Spring street at Centre street, West Rox- bury.
		J.	Huntington avenue at Tremont street, city proper.
		Ј.	Tremont street at Mission Church, Roxbury.

Table No. XVII.

Water Posts Established and Abandoned.

Established.	ABANDONED.						
East Cottage street, 45 feet west of city greenhouse Roxbury.		Massachusetts avenue, at Edward Everett squa Roxbury.					
Winslow street, 45 feet from Zeigler street, Roxbury.	Winslow street, near Dudley street, at fire Roxbury.						
	Opposit	e 82 Orchard	street, We	est Roxbury.			
	Blue H	ll avenue, at	Evelyn str	eet, Dorchest	er.		
	Clevela Brigh		south side o	of Chestnut I	Hill avenu		
				1			
	Cost of Material.	Labor and Teaming.	Total Direct Cost.	Credit Stock Returned.	Net Direct Cost.		
Cost of established and abandoned water posts	\$479 97	\$358 08	\$838 05	\$108 95	\$729 10		

Table No. XVIII.

Water Post Repairs 1921.

CAUSES.	Number of Jobs.	Cost.
Renewed broken arms	1	\$4 00
Raised boxes to grade	5	26 35
Renewed decayed boxes	17	386 06
Renewed defective frames and covers	2	20 79
Shut off and let on	23	187 23
Relocated	6	100 66
Defective paving	6	108 99
Leaks caused by defective cocks	5	81 76
Leaks caused by defective pipes and valves	49	815 80
Hit by automobiles	5	130 23
Posts broken	2	95 54
Totals	121	\$1,957 41

Table No. XIX.

Meters Set for Meter Branch.

Number Set.		g:	Cost of	Cost of Labor,		
Outside.	Inside.	Size.	Material.	Teaming and Car Fare.	Total Cost.	
177		₹-ineh	\$1,472 57	\$2,275 77	\$3,748 34	
	3	§-ineh	8 72	6 06	14 78	
13		}-ineh	119 63	137 71	257 34	
4		1-ineh	15 57	76 74	92 31	
5		1½-ineh	47 72	46 71	94 43	
5		2-ineh	69 50	96 29	165 79	
2		3-ineh	20 49	41 42	61 91	
203	. 3		\$1,754 20	\$2,680 70	\$4,434 90	

Table No. XX.

Meters Repaired for Meter Branch.

Causes.	Jobs.	Cost.
Defective boxes	195	\$3,014 39
Raised to grade	52	371 09
New brick chambers	9	1,275 73
New frames and covers.	24	126 86
Leaking	64	218 01
Frozen	5	29 74
Relocated	3	71 70
Reset	34	105 72
Taken out	69	162 78
Changed	640	1,466 13
Defective paving	72	612 47
Abandoned boxes	5	11 11
Cleaning boxes	6	53 77
Stoppage	2	5 68
Testing	1	51 29
Totals	1,181	\$7,576 47

Table No. XXI.

Standpipes for Street Watering Electric Cars.

ESTABLISHED.

Hyde square, at Perkins street, West Roxbury. Centre street, at Pond street, West Roxbury. Centre street, opposite Echo street, West Roxbury.

Table No. XXII.

Machine Shop.

Stock Manufactured from the Rough.

KIND.	Number.	Labor.	37 per Cent Added,	Stock.	Cost Each.	Total Cost.
Batchelder & Finneran hydrant, No. 1	13	\$27 32	\$37 43	\$ 56 77	\$94 20	\$1,224 60
Batchelder & Finneran hydrant, No. 2	244	27 02	37 02	53 71	90 73	22,138 12
S-inch gates	12	10 10	13 84	26 63	40 47	485 6
16-inch gates	3	32 29	44 24	86 80	131 04	393 12
;-inch sidewalk cocks, new style	717	69	95	73	1 68	1,204 56
-inch sidewalk cocks, new style	84	83	1 14	86	2 00	168 00
1-inch sidewalk cocks, new style	47	1 01	1 38	1 01	2 39	112 33
}-inch corporation cocks	1,045	51	70	25	95	992 75
-inch corporation cocks	141	81	1 11	37	1 48	208 68
1-inch corporation cocks	85	96	1 32	66	1 98	168 30
1½-inch corporation cocks	65	1 20	1 64	1 30	2 94	191 10
§-inch coupling nuts	6,275	05	07	04	11	690 25
1-inch coupling nuts	100	13	18	10	28	28 00
1½-inch coupling nuts	36	12	16	21	37	13 32
;-inch coupling tubes	2,151	05	07	03	10	215 10
14-inch coupling tubes	259	14	19	11	30	77 70
1½-inch coupling tubes	493	17	23	18	41	202 13
2-inch coupling tubes	206	18	25	25	50	103 00
;-inch male couplings	182	12	16	07	23	41 86
{-inch bent tubes	100	10	14	06	20	20 00
2-inch meter nipples	100	27	37	33	70	70 00
}-inch iron plugs	132	16	22	03	25	33 00
}-inch iron plugs	382	19	26	03	29	110 78
1½-inch iron plugs	34	28	38	13	51	17 34
Installing bushings in sidewalk uprights	581	10	14	1 17	1 31	761 11
Total						\$29,670 79

Table No. XXIII. Machine Shop.

Stock Repaired and Miscellaneous Work.

	Number.	Total Cost.
6-inch gate	16	\$46 75
8-inch gates	5	15 25
10-inch gates	1	4 67
Boston Lowry hydrants	9	30 06
Lowry hydrants	29	167 29
Ordinary post hydrants	149	1,038 53
Accommodation work for other services		148 75
Made 36-inch testing cap		127 59
Electrical work in various shops, 710 Albany street		92 47
Repaired coupling nuts	110	16 44
Stock consigned to junk (labor only)		8 30
Total		\$1,696 10

Table No. XXIV.

Blacksmith Shop.

Sharpened 5,077 picks, 648 bars and 1,69	27	chis	$_{ m els}$		\$1,879 63
					418 00
Accommodation work for other services					117 52
Repaired 5 various kinds of tools					15 91
					@0 491 OC

\$2,431 06

Table No. XXV. Carpenter Shop. Stock Manufactured.

	Number.	Total Cost.
Boston hydrant boxes at \$8.33	8	\$66 64
Blow-off boxes at \$10.48	1	10 48
Deacon meter boxes at \$9.19	3	27 57
Large gate boxes at \$9.19	7	64 33
Lowry hydrant boxes at \$9	36	324 00
Meter boxes at \$8.37	143	1,196 91
Post hydrant boxes at \$9.83	31	304 73
Small gate boxes at \$7.50	102	765 00
Boston Lowry hydrant boxes at \$11.75	42	493 50
Pieces for raising large gate boxes at \$0.17 per inch	112	19 04
Pieces for raising Lowry hydrant boxes at \$0.17 per inch	1,216	206 38
Pieces for raising meter boxes at \$0.17 per inch	2,449	416 33
Pieces for raising small gate boxes at \$0.17 per inch	1,874	318 58
Tops for Boston hydrant boxes at \$1.09	6	6 54
Tops for large gate boxes at \$1.09	9	9 81
Tops for Lowry hydrant boxes at \$1.21	21	25 41
Tops for post by drant boxes at \$1.21	16	19 36
Tops for small gate boxes at \$0.97	60	58 20
Made shelves for Meter Department	1,870	105 94
Made wooden horses	32	40 39
Total		\$4,479 14

Table No. XXVI.

Carpenter Shop.

Repairs on buildings in Charlestown yard	. \$793 23	3
Various repairs around vard, 710 Albany street	. 423 90	
General repairs in stable, 710 Albany street	395 84	
Repaired 765 tools	. 374 65	
Repaired 765 tools	361 12	
Repairs in office, 710 Albany street	298 12	
Built fence at coal pocket, 710 Albany street	234 29	
Repairs in office, 710 Albany street Built fence at coal pocket, 710 Albany street Repairs in Income Branch, City Hall Annex Repairs in machine shop, 710 Albany street	152 92	
Repairs in machine shop, 710 Albany street	148 37	
Made 55 tools	108 97	
Made 55 tools Repairs on garage, Dorchester yard	. 104 83	
Penaira in garage, 710 Albany street	. 70 18	
Repairs in garage, 710 Albany street	. 53 78	
Four wagen repairs	. 31 13	
Four wagon repairs Repairs in auto repair shop annex, 710 Albany street	. 31 13	
Repairs in auto repair snop annex, 110 Albany street.	, 22 08	J
Boxed patterns for shipping patterns to foundry (Engin	. 18 09	n.
Branch)	. 13 05	
General repairs in meter snop, 710 Albany street	. 12 90	
Repairs in West Roxbury yard	. 208	3
Total	. \$3,609 04	4
		-
Table No. XXVII.		
Plumbing Shop.		
Repaired water fixtures in municipal buildings, Public Build	ings	
Department	. \$2,157 53	3
Department	. 728 68	8
Repaired 45 tools	. 127 53	3
Repaired 45 tools	. 107 20	0
Accommodation work for other services	. 89 91	1
Repairs in office, 710 Albany street	. 66 83	3
Repaired 15 pumps	41 16	6
Connected new 8-gallon copper boiler in plumbing shop.	710	
Albany street General repairs in Charlestown yard Made 280 lead seals for the Income Branch, City Hall Anne	. 38 23	3
General repairs in Charlestown vard	. 36 08	8
Made 280 lead seals for the Income Branch, City Hall Anne	ex . 34 02	2
Repairs in garage, 710 Albany street	. 26 98	
Made 32 tools	. 26 40	
General repairs in Dorchester yard	. 15 12	2
Made 280 lead setus for the Income Branch, City Han Anne Repairs in garage, 710 Albany street Made 32 tools General repairs in Dorchester yard Repairs in machine shop, 710 Albany street Work done for the Pitometer Company Various repairs around the yard, 710 Albany street Built new chimney in auto repair shop, 710 Albany street	. 7 63	
Work done for the Pitometer Company	. 7 42	
Various repairs around the yard, 710 Albany street	5 62	
Built new chimney in auto repair shop, 710 Albany street	. 3 24	
Repaired soil pipe in stable, 710 Albany street	1 55	5

. . \$3,521 13

Table No. XXVIII.

Miscellaneous.

Waste survey by the Pitometer Company in Roxbury District,	\$5,042	77
Waste survey by the Pitometer Company in the Central		
District	3,221	45
Waste survey by the Pitometer Company in the Dorchester		
District	1,912	09
Waste survey by the Pitometer Company in the South Boston		
District	462	63
Waste survey by the Pitometer Company at Long Island	45	40
Thirty-four hundred and forty-seven inspections of patch pav-		
ing	-3,170	23
Accommodation work for private persons and corporations	1,354	61
Accommodation work for other services and departments	407	08
General repairs and work done in garage, 710 Albany street.	284	90
Repairs and general work in the Charlestown yard	151	37
Repairs in stable, 710 Albany street	111	73
Repairs in earpenter shop, 710 Albany street	106	64
Repaired concrete floor in garage in Dorchester yard	89	26
Delivering water to contractors, corporations and other services,	73	00
General repairs in Brighton yard	72	08
Melted lead pipe pieces into pig lead	70	63
Six Deacon meter boxes abandoned	61	16
Miscellaneous work		92
Repaired lights in office, 710 Albany street		16
Repairs on tools		65
Repairs in auto repair shop, 710 Albany street		55
Sanding icy sidewalks at West Roxbury yard		08
1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		68
Repaired lights in blacksmith shop, 710 Albany street Repaired lights in blacksmith shop, 710 Albany street		40
		52
Various repairs around yard, 710 Albany street	90	-72
Total	\$16,831	99

Cost of Extension of Main Pipe.

			(Cost of		, to 5		
STREET.	Location.	District.	Size.	Feet.	Depart- ment Material, etc.	Cost of Labor.	Inspec- tion.	Total Cost.	Remarks.
Prescott place	Off Prescott street	Roxbury.	ಣ	11.4	\$219 64	\$82 63		\$302 27	Private, macadam.
Bowdoin green	From Mallon road	Dorebester.	£.	85	\$210 32	\$112 88		\$323 20	Publie, macadam.
Mechanic street	Between Brighton avenue and Cambridge street.	Brighton.	9	202	295 10	100 76	\$14 67	410 53	Private, macadam.
	Totals		9	292	\$505 42	\$213 64	\$14 67	\$733 73	
Edinboro street	Bet	City Proper.	000	85	888 488	\$54 88		\$143 36	Public, asphalt.
Wilmington avenue	From Milton avenue	Dorchester.	x	486	982 88	329 25	29 38	1,341 51	Private, clay.
Hallowell street	From Oakland street	Dorchester.	×	089	1,327 29	628 75	84 32	2,040 36	Public, rocky clay.
Bancroft street	From Argyle street	Dorchester.	×	174	502 53	192 00	17 99	712 52	Private, unconstructed.
Mintons treet	Between Melvinside terrace and Savin Hill avenue.	Dorchester.	×	7.5	165 84	72 00	10 22	248 06	248 06 Private, unconstructed.
Cedar Grove street	From Hallet-Davis street	Dorchester.	00	30	123 26	23 50	:	146 76	146 76 Public, macadam.
Chester street	Chester street	Dorchester.	- 00	155	447 56	548 43	81 76	1,077 75	1,077 75 Private, rock, dirt.
Banfield avenue	From Woodlawn avenue	Dorchester.	œ	458	893 18	379 45	45 99	1,318 62	1,318 62 Private, rock, dirt.
Parkvale road	Between Church and Weld streets	West Roxbury.	oo	240	1,234 07	466 12	108 59	1,808 78	1,808 78 Private, unconstructed.
Steadman street	From Brook road	West Roxbury.	œ	258	625 89	272 00	15 33	913 22	Private, sand.
Realton road	From Parkvale road	West Roxbury.	∞	17	101 16	14 62	5 11	120 89	Private, unconstructed.
Hemlock street	From Bellevue avenue	West Roxbury.	œ	153	309 17	109 78	10 22	429 17	429 17 Private, clay.
Sturges road From La Grange street.	From La Grange street	West Roxbury.	œ	179	411 92	194 90	10 22	617 04	617 04 Private, loamy, clay.

Cowing street	. Between Spinney and Swallow streets, West Roxbury.	West Roxbury.	œ	255	645 54	399 42	75 37	1,120 33	1,120 33 Private, rock.
Mendelssohn street	Between Washington street and Ni- West Roxbury. kisch avenue.	West Roxbury.	×	212	293 12	161 99	20 44	475 55	Private, elay.
Brayton road	Between Brayton way and end of Main.	Brighton.	œ	103	339 70	139 75		479 45	479 45 Private, unconstructed.
Huntington avenue	Between Collins and Thateher streets.	Hyde Park.	œ	165	431 67	106 50	10 22	548 39	Publie, maeadam.
Summer street	From Parrott street	Hyde Park.	œ	459	974 74	391 35	25 55	1,391 64	1,391 64 Private, rock, clay.
Mussusoit street	Between Edgewater drive and River street.	Hyde Park.	œ	152	324 28	26 00	10 22	410 50	410 50 Public, gravel.
Walter street	Between River street and railroad	Hyde Park.	×	120	244 36	107 43	20 44	372 23	Public, gravel.
Mattakeeset street	Between Edgewater drive and River street.	Hyde Park.	œ	20	200 44	37 00	7 67	245 11	245 11 Public, gravel.
Chester street	From Stanley street and railroad	Hyde Park.	œ	252	641 41	178 96	20 44	840 81	Private sand.
	Totals		x	5,022	\$11,308 49	\$4,884 08	\$609 48	\$16,802 05	
Whitmore street	From Kneeland street	City Proper.	10	179	\$837 72	\$134 20	\$16 61	\$988 53	\$988 53 Public, asphalt.
Doone avenue	Between Stowe and Glen Hill roads	Dorehester.	10	197	490 36	161 80	7 67	659 73	Private, ash filled.
Partridge street	From La Grange street	West Roxbury.	10	\$	103 60	249 97	5 75	359 32	Private, dirt.
Liszt street	Between Washington street and Ni-kisch avenue.	West Roxbury.	10	368	834 47	1,025 75	79 21	1,939 43	1,939 43 Private, rock.
Ashmore road	From Hyde Park avenue	West Roxbury.	10	23	26 46	16 25	10 22	82 93	82 93 Private, sand.
Riverview street	Petween Stimson and Upland streets,	West Roxbury.	10	112	324 67	378 75	:	703 42	Private, gravel.
Holmfield avenue.	Between Edgewater drive and River street.	Hyde Park.	10	20	220 51	33 60	10 22	264 33	Public, gravel.
	Carried forward			226	\$2,867 69	\$2,000 32	\$129 68	\$4,997 69	

Cost of Extension of Main Pipe.—Concluded.

	0 380	Cost of Exemple of Mann 1 Per	5						
Srrder.	Location.	District.	Size, (Inch.)	Feet.	Cost of Depart- ment Material, etc.	Cost of Labor.	Cost of Inspec- tion.	Total Cost.	Remarks,
	Brought forward		:	977	\$2,867 69	\$2,000 32	\$129 68	84,997 69	
Monponsett street	Between Edgewater drive and River street.	Hyde Park.	10	387	1,159 67	228 50	25 55		1,413 72 Public, gravel.
Edgewater drive	Between Burmah and Massasoit streets.	Hyde Park.	10	066	2,005 36	291 00	122 64	2,719 00	Neponset reservation, sand.
Rutledge road	Between Pinewood and Wood avenues.	Hyde Park.	10	265	851 84	316 81	25 55	1,194 20	1,194 20 Private, clay, rock.
	Totals		101	2,619	\$6,881 56	\$3,136 63	\$303 42	\$10,324 61	
Clarendon street	Between Stanhope and Stuart streets,	City Proper.	2	293	\$1,549 17	\$318 78	\$24 91	\$1,892 86	Publie, under eonstruction.
Trinity place	Between Stuart and Stanhope streets,	City Proper.	12	257	1,084 71	242 93	25 55	1,353 19	Public, asphalt.
Kneeland street	Between Harrison avenue and Whit- more street.	City Proper.	12	184	1,141 75	214 94	45 99	1,402 68	Public, granite block, gravel base.
Commonwealth avenue	Between Kenmore street and Brookline avenue.	Roxbury.	112	121	500 28	102 85	5 11	608 24	Public, sidewalk, loam, grass.
Norway street	Between Massachusetts avenue and Bickerstaff street.	Roxbury.	13	362	1,378 23	558 70	30 66	1,967 59	Publio, maeadam.
Astor street	Opposite No. 41	Roxbury.	12	35	29 89	77 50		146 17	146 17 Public, macadam.
Wilmington avenue	From Nevada street	Dorchester.	12	97	270 93	67 21	5 11	343 25	Private, clay.
New England avenue	Between Talbot and Southern avenues.	Dorchester.	13	868	2,489 32	682 92	156 56	3,328 80	Private, clay.
Hallett-Davis street	Hallett-Davis street Between Hill Top and Cedar Grove streets.	Dorchester.	12	20	188 04	51 44		239 48	Private, unconstructed.

Sanborn avenue	Between Welland road and Pomona West Roxbury. 12 avenue.	West Roxbury.	= -	(X)	1,170 66	295 00	33 22		1,498 88 Private, gravel, clay.
Hyde Park avenue	At Ashmore road	. West Roybury.	-21	88	275 73	30 95	10 22	316 90	316 90 Public, macadam.
Washington Heights avernue.	Washington Heights ave- nue.	West Roxbury.	2	311	18 010'1	1,249 92	209 51	2,500 24	2,500 24 Private, rock, clay.
Auburn street	Between Washington street and Ros- West Roxbury. Indahe avenue.		1	143	598 67	96 20	25 55	723 81	723-81 Public, dirt.
Burton street	From Bellamy street	Brighton.	21	×.	159 61	43 45	14 69	217 75	217 75 Private, unconstructed.
Electric avenue	At_North Bencon street	Brighton.	12	80	314 88	134 25	12 78	461 91	461 91 Public, macadam.
Corey road	Between Belle Vista road and Summit avenue.	Brighton.	2	154	641 19	165 30	28 75	835 24	835 24 Private, gravel.
Wood avenue	Between Ruskin and Rutledge roads	Hyde Park.	-21	198	525 87	500 40	20 44	755 71	755 71 Public, macadam, rock.
Metropolitan avenue	Between Vese and Highland streets	Hyde Park.	21	12	323 68	190 95	23 00	537 63	537 63 Public, macadam.
	Totals		121	3,544 \$	3,544 \$13,722 20	\$4,736 08	\$672 05	\$19,130 33	
Dudley street	Between Blue Hill and Brook avenues.	Rovbury.	91	1,136	16 1,136 \$5,556 86		\$204 40	\$7,335 72	\$1,574 46 \$204 40 \$7,335 72 Public, granite block, gravel base.
Harrison avenue	At railroad bridge	City Proper,	30	216	6,002 42	1,794 72		7,797 14	7,797 14 Bridge.

Cost of Replacement of Main Pipe.

Spublet,	Location.	District.	Size. (Inch.)	Feet.	Cost of Department Material, etc.	Cost of Labor.	Cost of Inspec- tion.	Total Cost.	Original Size. (Inch.)	Remarks.
Bond street	Between Hanson and Milford streets.	City Proper.	9	174	\$481 01	\$142.76	\$30 66	8654 43	7	Public, asphalt.
Taylor street	Between Milford and Dwight streets.	City Proper.	9	200	833 67	200 60	45 99	1,080 26	4	Public, asphalt.
Newland street	From Coneord street	City Proper.	ဗ	27	115 94	14 58	3 20	133 72	7	Publie, maeadam.
Lexington avenue	From Lexington street	East Boston.	9	36	121 94	36 83	5 11	163 88	7	Private, macadam.
Lexington place	From Lexington street	East Boston,	9	34	111 37	36 83	5 11	153 31	4	Private, macadam.
Everett court	From Everett street	East Boston.	9	16	137 69	14 82	5 11	157 62	4	Private, gravel.
Castle court	From Everett street	East Boston.	·s	16	79 46	14 82	2 56	96 84	7	Private, gravel.
Hooten court	From Everett street	East Boston.	9	0+	124 31	32 76	2 56	159 63	77	Private, gravel.
Beacon street	At Audubon road	· Roxbury.	9	14	110 96	77 00		187 96	9	Publie, macadam.
	Totals		9	557	\$2,116 35	\$571 00	\$100 30	\$2,787 65		
Hanson street	Between Bond and Tremont streets.	City Proper.	l x	422	\$821 76	\$363 45	\$35 77	\$1,220 98	9	Public, macadam.
Penibroke street	Between Shawmut avenue and Tremont street.	City Proper.	∞	647	1,616 94	582 72	93 26	2,292 92	9	Publie, macadam.
Nazing street	At Maple street	Roxbury.	œ	17	82 89	88 6	2 56	100 33	9	Public, macadam.
Schnyler street	Across Maple street	Roxbury.	30	79	370 32	51 10	29 2	429 00	9	Public, macadam.
Colonial avenue	At New England avenue	Dorchester.	o	15	267 68	23 60	5 11	296 39	9	Public, macadam.
Massasoit street	At New England avenue	Dorehester.	x	58	329 34	44 20	5 11	378 65	9	Private, clay.
Hopkins street	Hopkins street At Corbet street	Dorchester.		35	130 26	33 43	5 11	168 80	9	Public, macadam.

Lakeville place At	At Centre street.	West Roxbury.	x	51	62 00	51 69	:	116 69	9	6 Private, dirt.
Rosechiff street	At Washington street	West Roxbury.	30	0+	167 22	49 75		216 91	9	6 Public, macadam.
Congreve street	Between South and Centre streets.	Centre West Roxbury.	x	1,145	2,006 33	1,070 66	61 32	3,138-31	9	6 Public, rock, clay.
Cheshire streef	From Green street	West Roxbury.	x	x.	100 40	00 61	:	149 40	···	6 Public, macadam.
Gerrish street	From Brooks street	Brighton.	x	50	81 75	63 38	:	145 13	9	Private, unconstructed.
Imrie road	Cambridge street and end of road.	Brighton.	x	703						
High Rock way	From Imric road	Brighton.	x	=	t,H7 90.	585 27	E E	1,754 27	ထ	6 Public, under construction.
Cambridge terrace	At Imrie road	Brighton.	x	27			_			
Allston heights	From Cambridge street	Brighton.	x	218	392 83	214 20	10 22	617 25	9	6 Private, loamy clay.
Chestnut avenue	Between Austin and Beaver streets.	Hyde Park.	x	261	10 280,1	462-41	30 08	1,578 11 4	939	1,578-11 4 &6 Public, rock, macadam.
Beaver street	Between Gordon avenue and Chestnut avenue.	Hyde Park.	æ	96†	1,090 65	428 26	25 55	1,544 46	**	4 Public, rock, macadam.
Mattakeeset street	Between Edgewater drive and River street.	Hyde Park.	x	533	1,168 57.	374 96	28 11	1,571 64 4	949	1,571 64 4 &6 Public, gravel.
Massasoit street	Between Edgewater drive and River street.	Hyde Park.	x	643	1,272 94	501 38	33 22	1,807 54 4	949	1,807 54 4 &6 Public, gravel.
Huntington avenue	Between Collins and Thatcher streets.	Hyde Park.	×	504	944 81	329 89	66 43	1,341 13	+	Public, macadam.
Parrott street	Between Austin and Summer street.	Hyde Park.	×	544	519 61	188 19	10 22	718 02	7	Public, macadam.
	Totals		x	6,343	\$13,631.21	\$5,480 45	\$471 42	\$19,586 08		
Essex street	Between Chauncy and Oxford streets.	City Proper.	2	136	\$105 95	\$513 59		\$619 54	10	10 Public, granite block.
West Concord street	Between Washington and Tremont streets.	City Proper.	10	1,145	3,048-29	942 50	876 65	4,067 44	9	6 Public, macadam.
	Carried forward		:	1,281	\$3,154_24	\$1,456 09	\$76 65	84,686 98		

Cost of Replacement of Main Pipe. -- Continued.

			-				-		-	
Street,	Laeation.	District	Size. (.don1)	Feet.	Cost of Depart- ment Material, etc.	Cost of Labor.	Cost of Inspec- tion.	Total Cost.	Original Size. (Inch.)	Remarks.
,	Brought forward		:	1,281	\$3,154_24	\$1,456 09	\$76 65	\$4,686 98		
North Anderson street	Between Cambridge and Fruit streets.	City Proper.	10	352	1,007 85	407 52	66 43	1,481 80	9	Public, macadam.
West Springfield street	Between Washington and Tre- mont streets.	City Proper.	9	1,220	3,352 79	1,027 03	129 67	4,509 49	9	Public, macadam.
Lexington street	Between Shelby and Meridian streets.	East Boston.	10	3,393	9,696 85	3,929 11	268 28	13,894 24	9	Public, granite block, gravel base.
Putnam street	Aeross Lexington street	East Boston.	10	+3	107 04	33 54	5 11	145 69	9	Public, macadam.
Prescott street	Aeross Lexington street	East Boston.	10	9#	129 50	62 27	10 22	201 99	9	Public, granite block, gravel base.
Everett street,	Between Cottage and Jeffries streets.	East Boston.	10	1,685	4,381 15	1,700 04	112 42	6,193 61	9	Public, macadam.
Corbett street	Between Selden and Nelson streets.	Dorehester.	9	1,200	3,326 83	1,160 80	163 52	4,651 15	9	Public, macadam, rock.
Rockland street	Between Washington street and Dedham line.	West Roxbury.	10	1,290	3,440 58	1,409 96	94 54	4,945 08	9	Public, macadam, rock.
Oakdale street	From Green street	West Roxbury.	10	18	115 44	84 93	:	200 37	9	Public, macadam.
School street	At Walnut avenue	West Roxbury.	10	39	248 24	124 75		372 99	9	Public, macadam.
Cornell street	Between Washington and Orange streets.	West Roxbury.	10	1,190	2,994 80	198 83	47 27	3,240 90	9	Public, maeadam.
Brackett street	Between Washington and Faneuil streets.	Brighton.	10	581	1,335 74	579 02	33 22	1,947 98	9	Public, macadam.
Surrey street	At Market street	Brighton.	10	48	163 10	98 38	:	261 48	9	Public, under construction.
Henshaw street At Market street	At Market street	Brighton.	10	21	103 79	73 25	:	177 04	9	6 Public, under construction.

Monponsett street	Between Edgewater drive and River street.	Hyde Park.	10	545	1,189 51	491 32	53 66	1,731 49 4 &6		Public, gravel.
Austin street	Between Chestnut and Gordon avenues.	Hyde Park.	01	881	2,447 39	850 77	51 10	3,349 26	-9	6 Public, rock, macadam.
	Totals		91	10 13,833	\$37,19.1 84	\$13,687 61 \$1,112 09	60 211,13	\$51,994 54		
Washington street	Between Rollins and Groton streets.	City Proper.	23	993	\$1,830 07	\$1,202 61	\$45 99	\$3,078 67	œ	Public, granite block, gravel base.
Washington street	Between Groton and Dover streets.	City Proper.	21	21.7	917 95	500 85	40 88	1,459 68	g	Public, granite block, gravel base.
Stanhope street.	Between Morgan street and Trinity place.	City Proper.	27	536	2,058 08	711 43	66 43	2,835 94	×	Public, under construction.
Middlesex street	Between Dover and Castle streets.	City Proper.	21	8 6	2,860 07	942 97	66 89	3,872 03 6	& &	3,872-03 6 &8 Public, granite block, gravel base.
East Dedham street	Between Albany street and Harrison avenue.	City Proper.	21	17	2,309 78	810 13	33 86	3,153 77	ဗ	Public, granite block, gravel base.
Stoughton street	Between Harrison avenue and Albany street,	City Proper.	12	715	2,764 54	779 04	88 O †	3,584 46	9	Public, macadam.
Georgia street	Between Blue Hill and Elm Hill avenues.	Roxbury.	51	086	3,197 62	738 02	88 19	3,997 52	9	Public, macadam.
Commonwealth avenue	Commonwealth avenue Between Kenmore street and Brookline avenue.	Roxbury.	21	17.1	1,042 02	189 20	35 77	1,266 99	- -	Publie, loam and grass.
Brookline avenue	Between Beacon and Newbury streets.	Roxbury.	21	151	119 96	335 82	30 66	14 982	30	Public, macadam.
Kenmore street	Between Newbury street and Commonwealth avenue.	Roxbury.	21	252	1,138 54	287 20	40 88	1,466 62	9	Public, macadam.
Newbury street	Between Charlesgate West and Brookline avenue.	Roxbury.	2	1,332	4,686 84	1,547 00	132 86	6,366 70	x	Public, bitulithic paving.
Maple street	Between Georgia and Seaver streets.	Roxbury.	51	1,466	5,095 58	1,070 89	122 64	6,289 11	9	Public, macadam.
Wayne street	Between Blue Hill avenue and Maple street.	Roxbury.	13	099	2,329 95	465 12	43 44	2,838 51	9	Public, macadam.
	Carried forward			8,769	8,769 \$30,651 00	\$9,580 28	\$765 16	\$765 16 \$40,996 44	-	

Cost of Replacment of Main Pipe.—Concluded.

							-		-	
YPREET.	Location.	District.	Size. (Inch.)	Feet.	Cost of Depart- ment Material, etc.	Cost of Labor.	Cost of Inspec- tion.	Total Cost.	Original Size.	Remarks.
	Brought forward			8,769	830,651 00	\$9,580_28	\$765 16	\$40,996 44		
Morton street	Between River and Sanford streets.	Dorehester.	12	725	2,494 48	864 78	52 38	3,411 64	9	Public, maeadam,
Selden street	Petween Nelson street and Milton avenue.	Dorchester.	12	1,573	5,202 45	1,336 67	199 29	6,738 41	9	Publie, maeadam.
Ashland street	Over New York, New Haven & Hartford Railroad bridge.	West Roxbury.	13	183	1,313 93	554 72	45 99	1,914 61	œ	Publie, macadam.
Auburn street	Between Bellevue and Roslindale avenues.	West Roxbury.	12	249	790 83	193 83	20 44	1,005 10	9	Publie, dirt.
Bellevue avenue	Between Hemlock and Cornell streets.	West Roxbury.	12	336	1,040 67	255 19	8 94	1,304 80	20	Private, dirt.
Linden street	Between Beech and Cornell streets.	West Roxbury.	23	605	1,775 63	507 44	35 77	2,318 84	9	Private, elay.
Vineland street	From North Beacon street	Brighton.	12	2	293 09	136 66	25 55	455 30	9	Public, macadam.
Gordon avenue	Between River and Hale streets,	Hyde Park.	12	1,528	5,141 05	1,685 78	122 64	24 646,9	-9	Publie, rock, macadam.
Homefield avenue	Between Edgewater drive and River streets.	Hyde Park.	51	637	2,099 53	540 59	81 76	2,721 88	88 4 &6	Publie, gravel.
	Totals		22	14,653	\$50,802 66	\$15,655 94 \$1,357 92	\$1,357.92	\$67,816 52		
Dudley street	Between Blue Hill and Brook avenues.	Roxbury.	16	176	788 57	273 63	15 33	1,077 53	9	Public, gramite block, gravel base,
Ashland street	Between Brown and Hyde Park avenues.	West Roxbury.	16,	875	3,901 50	1,853 27	60 26	5,851 86	œ	Public, macadam.
	Totals		16	1,051	\$4,690 07	\$2,126 90	\$112 42	\$6,929 39		
Perkins street	Between Jamaicaway and Prince street.	West Roxbury.	36	2,533	14,833 65	7,307 29	373 03	22,513 97	77	Public, macadam.

Average Monthly Heights, in Feet, Above Boston City Base to Which Water Rose at Different Stations.

									Southe	ви Нюн	SERVICE	Ε.							Nort Low S	HERN ERVICE.
1921 .	City	Hall.	No. 24, and V Str	House Quincy Varren eets, bury.		, Walnut eet,	Engine No. 13 folk St Matte	Nor-	No. Centre Green			Street,	Engine No. Washing Poplar Rosli	45, ton and Streets.	Chestn	29, ut Hill	Engine No. Wint Stree Har Ave Hyde	48, hrop t and vard nue,	No. Bunk	er Hill
	3 a. m.	9 a. m.	3 a. m.	9 a. m.	3 a. m.	9 a. m.	3 a. m.	9 a. m.	3 a. m.	9 a. m.	3 a. m.	9 a. m.	3 a. m.	9 a. m.	3 a. m.	9 a. m.	3 a. m.	9 a. m.	3 a. m.	9 a. m.
anuary	246	230	237	226	238	226	232	225	234	229	245	235	245	236	252	245	247	237	164	159
February	247	232	242	229	240	227	235	229	233	229	245	237	245	238	255	248	248	238	165	158
March	247	231	244	230	241	228	237	227	235	231	245	237	246	238	254	246	250	239	165	159
April	247	232	244	231	238	228	236	226	239	231	246	238	247	239	252	245	250	238	165	161
May	248	232	241	230	240	228	235	225	238	230	246	237	246	237	251	245	250	238	165	157
une	248	230	243	227	237	225	236	222	235	227	246	236	246	237	251	243	248	234	167	160
uly	247	233	242	229	237	227	233	224	232	227	245	237	245	238	251	245	246	235	166	160
ugust	247	231	243	228	235	224	235	223	235	226	245	238	245	238	254	246	247	235	167	160
September	248	232	243	226	240	227	234	224	232	222	246	237	247	237	256	247	247	236	167	161
October	246	229	243	227	239	225	237	226	235	225	246	238	247	239	257	248	249	236	165	160
Novembe r	249	232	245	232	240	228	238	227	235	227	247	241	248	241	257	250	249	238	165	158
December	250	235	244	232			238	229	233	226	246	240	247	240	257	250	247	237	161	158

Average Monthly Heights, in Feet, Above Boston City Base to Which Water Rose at Different Stations.

								Sou	THERN L	ow Serv	ICE.							
1921.	Stat	ut Hill ping lion, hton.	Wes Ave	34, tern	Bos Com		Salem	House b. 8, a Street, Proper.	East:	House 7}, Street, Proper.	Cougr Farns Str	e House . 38, ess and eworth eets. Boston.	Four O St	House 2, 2, th and reets, Boston.	ice 7 710 A Str	r Serv- fard, lbany eet, a End.	ice Y Gibson	r Serv- 'ard, a Street, hester.
	3 a. nı.	9 a. m.	3 a. m.	9 a. m.	3 a. m.	9 a. m.	3 a, m.	9 a. m.	3 a. m.	9 a. ru.	3 a. m.	9 a, m.	3 a. m.	9 a. m.	3 a. m.	9 a. m.	3 a. m.	9 a. m.
January	164	164	148	147	147	143			149	142	147	140	147	139	149	145	145	139
February	153	169	149	149	148	144	151	145	150	144	150	144	151	143	150	147	151	142
March	153	168	150	150	150	145	151	145	151	146	151	146	153	145	152	147	151	144
April	153	167	151	150	150	145	151	147	152	148		,	153	146	151	149	153	147
May	153	167	151	150	149	145	151	145	152	146	152	146	152	145	146	148	147	143
June	154	168	150	145	148	142	151	144	152	145	152	145	153	143	152	147	150	144
July	153	163	151	149	147	143	150	145	150	145	151	145	151	144	151	147	148	141
August	153	168	150	149	148	142	148	144	151	145	152	145	151	142	150	146	151	140
September	153	168	151	148	147	140	152	150	151	143	152	144	151	142	150	145	152	139
October	153	167	150	147	148	142	151	145	152	145	152	145	152	142	152	145	152	142
November	153	167	149	146	148	148	150	144	152	145	154	148	152	145	151	147	153	145
December	153	167	149	147	148	141	149	143	150	144	151	144	150	142	153	147	151	142



Cost of Relocation of Main Pipe.

0					Ì	•				
Street.	Location.	District.	Size (Inch).	Feet,	Cost of Depart- ment Muterial, etc.	Cost of Labor.	Cost of Inspec- tion.	Total Cost.	Original Size	Remarks,
31 Hawley street	Raymond's light and power tunnel.	City Proper.	<u>x</u>	31	\$127 16	\$27 63	:	\$154 79		Public, granite block.
Hartwell street	From Georgia street	Roxbury.	_x_	651	123 64	16 12	\$2 56	142 32	÷	6 Public, macadam.
	Totals		x	09	\$250 80	\$43.75	\$2 56	\$297 11		
Chauncy street At Bedford street	At Bedford street	City Proper.	2	2	8666 79	\$325 67		\$992 46	9	Public, granite block, gravel base.
llawley street	Opposite No. 31	City Proper.	21	<u>:</u>	547 69	45 29	:	292 98	9	Public, granite block.
Mt. Vernon street	At Charles River Embankment	City Proper.	12	17	104 68	38 81	:	143 49	13	Publie, macadam.
Arlington street	Between Boylston and Providence streets.	City Proper.	21	55	259 35	17 50	:	276 85	51	Public, wood block.
Arlington street	Across Boylston street	City Proper.	21	109	350 53	61 19		411 72	13	Public, wood block.
Corey street At Railroad street.	At Railroad street	West Roxbury.	2	87 87	131 51	55 69		187 20	2	Public, macadam.
	Totals		:	28.5	\$1,760 55	\$544 15		\$2,304 70		
Boylston street At Arlington street.	At Arlington street	City Proper.	02	3	\$223 20	\$121.27		\$344 47	50	20 Publie, wood block.
Boylston street At Berkeley street	At Berkeley street	City Proper.	05	96	782 72		:	782 72	23	Public, wood block.
Boylston street	At Berkeley street	City Proper.	2	104					12	Public, wood block.
	Totals.		:	182	\$1,005 92	\$121.27		81,127 19		
Tremont street	Over Boston & Albany Railroad Bridge.	City Proper.	7	33	\$1,666 01	\$1,058 07		\$2,724 08	30	
			-			-			-	

WATERWORKS STATISTICS—CITY OF BOSTON. FOR THE FISCAL YEAR ENDING JANUARY 31, 1922.

DISTRIBUTION.

Mains.

Kind of pipe: Cast iron, wrought iron.

Sizes: 2-inch to 48-inch. Extended, miles: 2.27. Sizes, enlarged, miles: 6.99. Total miles now in use: 880.85. Public hydrants added: 50.

Public hydrants now in use: 9,829. Stop gates added: 93.

Stop gates now in use: 13,228. Stop gates smaller than 4-inch: 27.

Number of blow-offs: 661.

Range of pressure on mains: 30 to 90 pounds.

Services.

Kind of pipe and size, lead and lead lined: $\frac{1}{2}$ -inch to 2-inch cast iron. $2\frac{1}{2}$ -inch to 12-inch, wrought iron and eement lined: $\frac{3}{4}$ -inch to 2-inch.

Extended, feet: 6,093. Total miles now in use: 590.24.

Service taps added: 294.

Total service tops now in use: 109,012. Stand pipes for street watering: 525.

Standpipes for street watering by electric ears: 30.

Table Showing Daily Consumption of Water in the City of Boston, Number of Services, Percentage of Services Metered, and Decrease in Daily Per Capita Consumption Since the Meter Law of 1907 Became Effective.

YEAR.	Number of Services in Boston.	Number of Meters in Boston.	Percentage of Services Metered.	Population of Boston,	Daily Consumption in Boston. (Gallons.)	Daily, Per capita for Boston.	Population of Metropolitan District.	Daily Consumption of Metropolitan District. (Gallons.)	Daily Per capita for District.
1908	94,960	5,380	5.7	643,810	98,379,300	153	973,320	125,441,000	129
1909	96,132	12,048	12.5	659,110	94,029,900	143	997,760	119,119,100	119
1910	93,780	18,467	19.7	674,400	87,346,700	130	1,022,230	112,092,100	110
1911	95,037	25,206	26.5	688,520	85,571,500	124	1,046,630	109,994,800	105
1912	99,700	34,565	34.8	718,900	90,037,500	125	1,086,690	116,230,700	107
1913	101,100	41,168	40.7	735,098	79,390,600	108	1,104,263	103,847,700	94
1914	102,449	48,091	46.9	740,830	81,877,800	110	1,134,180	107,036,100	94
1915	103,980	54,458	52.3	745,680	77,651,800	114	1,160,750	101,941,500	88
1916	105,386	60,129	57.5	746,130	80,358,800	108	1,171,220	106,337,800	90
1917	105,352	* 63,071	59.9	746,680	82,073,200	110	1,181,240	110,032,300	93
1918	105,458	63,187	59.9	747,830	94,634,000	127	1,191,380	129,764,000	109
1919	108,568	64,078	59.0	747,780	89,652,400	120	1,201,730	120,593,500	100
1920	108,718	67,392	62.0	751,810	94,297,400	125	1,213,430	127,265,500	105
1921	109,012	70,688	64.8	766,800	85,609,200	112	1,239,740	117,407,400	95

^{*} Estimated number of existing services not now in use, 16,900.

HIGH PRESSURE FIRE SERVICE.

Two pipe laying contracts awarded in 1920 were completed during the past year, one in Essex street, Chauncy street, Exeter place and Commercial street; the other for installation of necessary suction and torce mains at pumping stations Nos. 1 and 2.

The length of mains laid during the year are as follows: 205 linear feet 12-inch pipe; 3,608 linear feet 16-inch

pipe; 1,210 linear feet 20-inch pipe.

The total milage of the system is 11.6 with 310 hydrants installed thereon.

The completed system calls for a length of 19 miles.

The work of constructing two pumping stations and installing in each two pumping units was completed December 5, and on December 19, 1921, the stations were put in service under the control of the Fire Department.

Following is a description of the pumping equipment:

Pumping Station No. 1.

Located in a fireproof isolated area, in the basement of the Lincoln Power Station of the Boston Elevated Railway Company, corner of Commercial and Battery streets; fire hazard very slight.

Equipment includes two Worthington 3-stage double suction centrifugal pumps, each direct connected to a Westinghouse 750 horse power steam turbine of the horizontal impulse type, operating at 1,165 revolutions per minute, with steam pressure of 175 pounds; atmos-

pheric exhaust.

Two 16-inch suction mains, both connecting with low service distribution system of city (pressure 50 to 60 pounds), one of them also connecting with high service distribution system (pressure 85 to 90 pounds). One 16-inch suction main, connecting with large intake conduit, supplying salt water from harbor to Boston Elevated Power Station for condensing purposes, provides an emergency salt water supply. Two 16-inch discharge mains, each equipped with a venturi meter, extend from the station to the high pressure fire distribution system. A centrifugal vacuum pump, with

75-gallon priming tank, driven by a 10 horse power, 220-volt, direct current motor, is provided to prime the fire pumps when suction is taken from salt water.

A vertical centrifugal single stage sump pump, driven by a 220-volt, direct current motor, takes care of any

leakage, etc., within the station.

The water piping is of cast iron with flanged joints, eash piece of pipe in force main being separately tested at a pressure of 600 pounds per square inch before being assembled. A 4-inch by-pass, equipped with the necessary cleck valves and meter, is provided between suction and discharge side of piping to insure the absence of air in the system and to provide means of measuring the leakage in the high pressure fire distribution system.

The principle control valves on the piping system are electrically operated by Dean control. Ross regulating valves are installed between the suction and discharge of each pump by means of which the pressures at the pumps are controlled from the operating board, upon which the necessary gauges and indicators are installed, and from which the valves in the piping system, the vacuum pump and the sump pump are operated.

The turbines are started by hand throttle. Steam is supplied through an 8-inch loop pipe, connecting to each end of steam header in the boiler room of the Boston Elevated Station, where a battery of twenty (20) Babcock and Wilcox boilers, with a total of 10,344 horse power, are located, eight to ten of these boilers being

always in service.

At an acceptance test made on December 9, 1921, by the National Board of Fire Underwriters, Pump No. 1 discharged 3,100 gallons per minute at 301 pounds pressure and 4,676 gallons per minute at 201 pounds pressure. Pump No. 2 discharged 3,114 gallons per minute at 300 pounds pressure; 5,164 gallons per minute at 209 pounds pressure and 7,400 gallons per minute at 100 pounds pressure. The two pumps together discharged 6,580 gallons per minute at 292 pounds pressure and 10,266 gallons per minute at 201 pounds pressure. The above performance easily fulfilled the contract requirements.

Pumping Station No. 2.

Located in a fire proof building, constructed for the purpose, within the boiler room of the Third Station of

the Edison Electric Illuminating Company on Atlantic avenue, opposite Pearl street; fire hazard very slight.

The equipment includes two Worthington 4-stage single suction centrifugal pumps, each direct connected through semiflexible couplings, to Westinghouse 750 horse power 235 volt direct current shunt wound interpole motor with a speed range from 860 to 1,050 revolutions per minute.

Two 16-inch suction mains both connecting with Low Service Distribution System of city (pressure 50 to 60 pounds) one of them also connecting with High Service Distribution System of city (pressure 85 to 90 pounds). One 16-inch suction main, connecting with large intake conduit supplying condensing water for the Edison Station, provides an emergency salt water supply.

Two 16-inch discharge mains, each equipped with a Venturi meter, extend from the station to the High Pressure Fire Distribution System. Two centrifugal vacuum pumps with a 75-gallon priming tank, each driven by 10 horse power motor, are provided for priming the fire pumps when suction is taken from salt water. One vertical centrifugal single stage motor driven sump pump takes care of any leakage, etc. within the station.

The water piping is of cast iron with flanged joints, each piece of pipe in force main being separately tested at a pressure of 600 pounds per square inch before being assembled. A 2-inch by pass, equipped with the necessary check valves and meter, is provided between suction side and discharge side of piping to insure the absence of air in the system and to provide means of measuring the leakage in the High Pressure Fire Distribution System.

The principle control valves on the piping systems are electrically operated by Deane control. Ross regulating valves are installed between the suction and discharge of each pump by means of which the pressures at the pumps are controlled.

The switchbeard consists of two separate units; one board, designed to handle the heavy starting and running current required for the main motor, contains the connections from the Edison power lines, the busbars and the secondary contactors for operating the motors. The other, or main control board, consists of four panels — one for each motor, one for the station auxiliaries, and one for the fire alarm. Each motor panel is

equipped with drum master switches for operating the main motor, control switches for motor operated valves, gauges to indicate suction and discharge pressure, ammeter to indicate amount of current required by motor and wattmeter to register total power required by motor.

In putting a pumping unit into service it is necessary to turn one, two or three master switches, depending upon which suction and discharge mains are to be operated; one master switch only is required to bring motor up to speed, the delivering of water and its pressure being determined by operation of a motor field rheostat and the Ross regulating valve; the control of the latter is through a hand valve immediately in front of each motor panel; the actual position of the regulating valve being shown at all times on a dial visible from the operating platform. Two Venturi meters which register the water pumped into each discharge main, are located immediately beside the control board.

The above arrangement makes it possible for one man to operate easily and quickly the entire equipment in the station. Under normal conditions fire pressure is available within forty seconds after an alarm is received

In the event of failure of the fresh water suction supply, the pumps can be primed and ready for service with salt water, in less than three minutes time.

Power for operating the pumps is furnished through cables extending to the pump room from the main switchboard in the generating room of the Edison Third Station in which are located four 1,600 killowatt and two 800 killowatt direct current generators, and four 1,000 killowatt and one 500 killowatt motor gener-The direct current generators are operated by engines supplied with steam from a battery of nineteen (19) boilers of 8,400 horse power capacity, six to ten of the boilers being always under steam. The motor generators receive current at 6,600 volts alternating current from the main station of the Edison Company in South Boston, delivering it at 250-volts direct current. Three underground transmission lines extend, over two separate routes, to the Edison Third Station, any two of which have sufficient capacity to operate the entire motor generator installation in the station. Ten direct current tie lines from seven sub-stations in the city are available, on an emergency, to supply, 1,500 to 1,800

killowatt to the Edison Third Station. In addition, two storage batteries with a combined capacity of 9,470 ampere hours, sufficient to run both fire pumps for a period of approximately two hours, are available at the Edison Third Station.

At a test recently made by the National Board of Fire Underwriters, Pump No. 1 discharged 3,141 gallons per minute at 298 pounds pressure and 4,413 gallons per minute at 202 pounds pressure. Pump No. 2 discharged 3,000 gallons per minute at 300 pounds pressure and 4,407 gallons per minute at 200 pounds pressure. The two pumps operating together discharged 6,580 gallons per minute at 292 pounds pressure. The above performance easily fulfilled the contract requirements.

HIGH PRESSURE FIRE SERVICE.

FINANCIAL STATEMENT FOR THE YEAR ENDING JANUA	ary 31, 1922.
Appropriations to January 31, 1922	\$1,420,000 00
Engineering \$5,936 24 Yard 1,791 31 Tools and repairs 68 56	
Yard 1,791 31	
Tools and repairs 68 56	
Construction of distribution	
system 116,298 58	
Stock	
ing (material and con-	
struction) 17,133 48	
Pumping Station No. 1, equip-	
ment and installation 69,415 15	
Pumping Station No. 2, build-	
ing (material and con-	
tion)	
Pumping Station No. 2, equip-	
ment and installation 61,840 92	
Total expenditures, 1921–22	
Total expenditures, 1921–22	
Total expenditures to January 31, 1922	1,343,805 03
Unexpended balance January 31, 1922	. \$76,194 97

APPENDIX F.

REPORT OF THE BOSTON AND CAMBRIDGE BRIDGE COMMISSION.

Boston, February 1, 1922.

To the Honorable the Mayor:

SIR,—As commissioner for the City of Boston I respectfully submit herewith the annual report of the Boston and Cambridge Bridge Commission for the year ending January 31, 1922.

This commission is composed of two members, one appointed by the Mayor of the City of Boston and the other by the mayor of the city of Cambridge, under

provisions of chapter 467, Acts of 1898.

The commission has charge of the maintenance of the following-named bridges connecting Boston and Cambridge Anderson, Brookline Street, Cambridge, Harvard, Prison Point, River Street and Western Avenue to

Cambridge.

As there is no separate appropriation made for the City of Boston's portion of the expenses of this commission, the same is taken from the appropriation for the Bridge and Ferry Division, Bridge Service. The amount expended during the fiscal year ending January 31, 1922, was \$27,999.77.

BROOKLINE STREET BRIDGE (OVER CHARLES RIVER AT COTTAGE FARM).

Patching was done on the roadway surface and under plank of same and on the sidewalk.

HARVARD BRIDGE.

The draw span of this bridge has been sheathed twice and considerable repairs made to the under planking. The roadway has been nailed repeatedly and under plank respiked. In certain places the stringers have been broken and have been replaced. Sidewalk repairs have been made.

PRISON POINT BRIDGE.

The bridge was sheathed once and repairs made to the under planking and stringers.

RIVER STREET BRIDGE AND WESTON AVENUE BRIDGE OVER CHARLES RIVER.

These bridges were each sheathed once and some rotten under plank in each bridge was replaced.

Of the above bridges Brookline Street Bridge, River Street Bridge and Western Avenue Bridge are in deplorable condition and should be rebuilt.

As a step toward this reconstruction, chapter 497 of the Acts of 1921 was passed, providing for the reconstruction of these bridges.

Respectfully submitted,

THOMAS F. SULLIVAN, Commissioner for the City of Boston.

Expenditures for the Year 1921-22.

(Being the Portion Pail by the City of Boston — Which is One Half — of the Total Expenditures.)

.sln1oT	\$17,345 77	00 909	4,987 05	1,366 84	2,843 72	211 83	345 61	123 50	62 42	100 63	. 6 40	\$27,999 77
Western Avenue Bridge to Cambridge.		\$24 00	160 87	83 50	25 53		5 75					\$299 65
Prison Point Bridge.	\$1,869 78	154 00	1,148 31	616 21	9 65	47 63	130 84					\$6,976 42
Harvard Bridge.	\$1,869 76	318 00	2,560 14	312 51	881 60	88 20	107 54	123 50				\$9,261 25
Essex Street Brooking Street Bridge,		00 18	28 89		188 28		9 05	:				\$230 22
Cambridge Bridge.	\$2,529 60		433 62		1,410 11		25.98					\$4,399 31
Cambridge Street- River Street Bridge.	\$4,826 63	106 00	655 22	354 62	25 53	00 92	60 81					\$6,104 81
Anderson Bridge.			:		\$303 02	:	5 64					\$308 66
Administration.	\$250 00	:				:			62 42	100 63	6 40	\$419 45
	Salaries	Inspection	Repairs	Lumber	Light	Fuel	Supplies	Removing sweepings	Printing and stationery	Telephone and traveling expenses	Advertising	Totals.

Monthly Summary of Draw Openings - Boston and Cambridge Bridges, February 1, 1921, to January 31, 1922.

	CAMI	Cambridge Street- River Street Bridge.	reet- Bridge.	HAR	Навуавр Виюбе.	DGE.	Prison	Prison Point Bridge.	RIDGE.	WESTER	Western Avenue Bridge to Cambridge.	Вигодв.
	Vessels.	Сагgоев.	Openings.	Vessels.	Cargoes.	Ореліпдв.	Vessels.	Cargoes.	.евиіпэдО	Vessels.	Cargoes.	Openings.
1921												
February		:					9	н	4	:		
March	:	:		10	:	s	9	-	4			
April	:			C)	:	-	9	-	7			:
May		:		:	:		:	:		:		
June				7		9	12	61	s			:
July	#		7			:	14	61	10	C)	:	21
August	61	:	Ç1	10	П	9		:		:		
September	:	:		111		10	9	1	7	:		
October	П		-	16		16	9	-	#	1		1
November	21	:	-	e		61	9	-	₩	23	:	1
December	:	:		5		77	9	н	7	:		:
1922												
January		:					10	1	1-			:
Totals	6		8	64	1	53	28	12	53	5		₩

Annual Summary of Draw Openings, Roston and Cambridge Bridges, February 1, 1921, to January 31, 1922,

Annual Summary of Draw Openings, boston and Cambridge Bridges, rebluary 1, 1921, to Jamuary 91, 1922.	Soston	and	Cam	ridge	DLIG	r , r	enina	11 y 1,	1321,	30	I I I I	y 01,	1966.	
		Tras.		ei Ei	Barges.		ALL	ALL OTHERS.		Total	TOTAL VESSEIS.	51 S.		
Вятьск.	Day.	.tdgiV	Total	Day.	Vight.	Total.	Day.	.tdgiN	Total.	Day.	Vight.	.IntoT	Cargoes.	.egaingeO
Cambridge Street-River Street	:	:		:			-1	61	6		21	<u>-</u>	7	œ
Harvard	26	:	56	<u>.</u>	:	ಣ	10	:	rċ		:	-	1	53
Prison Point	24	:	54		:	24	:	:	:	. s	:	22	13	53
Western Avenue to Cambridge		:	:	:	- · · · · · · · · · · · · · · · · · · ·	:	44	-	20	77	-	ro.	:	4
Totals	110		110	27		27	91	ec	13	153	m	156	17	118

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